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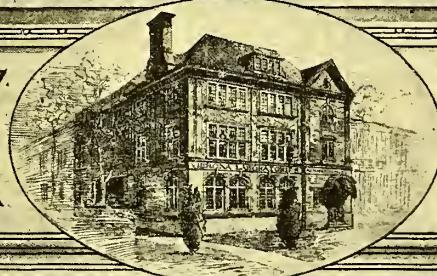
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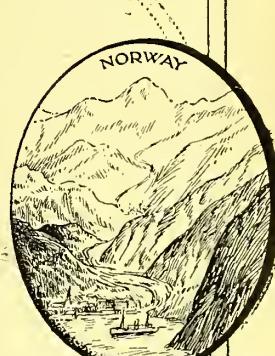
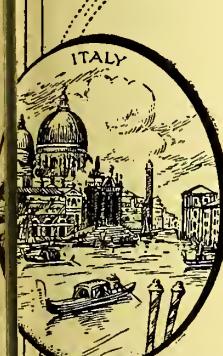
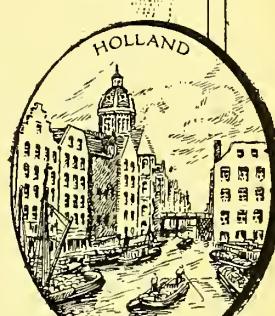
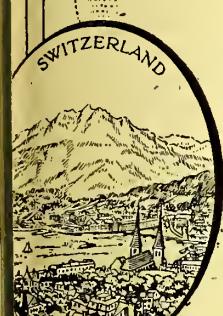
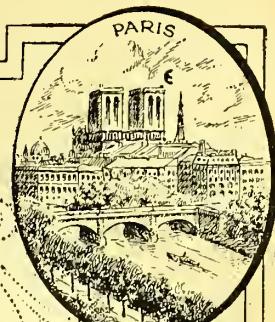
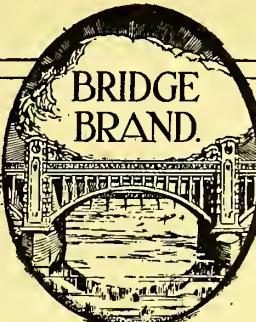
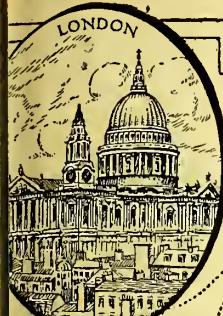
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CINCHONINE, CINCHONIDINE, QUINIDINE,
and their SALTS.

MANUFACTURED BY

NEDERLANDSCHE KININEFABRIEK, MAARSSEN, HOLLAND

AGENTS.— R. W. Greeff and Company,
Thames House, Queen Street Place,
LONDON, E.C.4.



We are at the moment exceptionally well placed for

**ACETANILIDE
ACID ACETIC
(ALL GRADES)
ACID LACTIC, 1:21
ASPIRIN
FORMALDEHYDE
PHENACETIN**

and invite your inquiries for prompt or forward delivery.

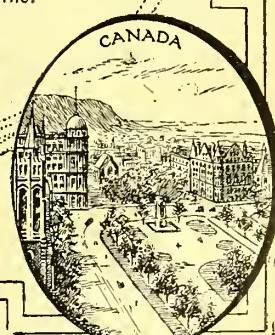
Wholesale and Export Only.

R. W. GREEFF & CO.
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Telephone: City 8600 (5 lines).

NEW YORK AGENTS:
R. W. GREEFF & CO., Inc.
78 FRONT STREET.



Don't Purchase a Police Court Prosecution with your next lot of Saccharin Tablets!

PROSECUTIONS against Retailers for selling Saccharin Tablets not of the strength described, have recently become so frequent that it behoves the Chemist to safeguard his reputation by purchasing Saccharin Tablets which he can sell with every confidence, and which shall ensure him freedom from the vexations of legal proceedings with attendant loss of reputation.

In connection with the Saccharin Tablets manufactured by C. R. Harker, Stagg & Morgan, it will be of interest to the Chemist to recapitulate the advantages which these tablets possess, and the guarantee supporting the Chemist in his efforts to maintain a reputation for stocking goods **in quality above reproach.**

We claim for our Saccharin Tablets that they excel in—

- (1) Appearance and Finish.
- (2) Ready and complete Solubility, showing absence of extraneous matter.
- (3) The actual Saccharin content is guaranteed absolutely and unreservedly, as each batch of tablets produced must first pass through our Analytical Department before being issued for sale.

The Chemist who is satisfied with **nothing less than the best** can, with perfect confidence, sell our Saccharin Tablets with every assurance of his immunity from legal proceedings on account of deficiency in Saccharin content.

We can give prompt delivery from ample stocks and invite your inquiries.

ISSUED FROM THE LABORATORIES OF

C. R. HARKER, STAGG & MORGAN, LTD.
Devon Wharf Mile End, E. 1.

AN APOLOGY

28 Aymer Road,
Hove, Sussex.

I HEREBY unreservedly withdraw the Statement I recently made to the effect that Messrs. C. R. Harker, Stagg & Morgan, Limited, have been prosecuted and fined for supplying Saccharin Tablets below strength, which was made under a misapprehension and which I now know to be absolutely untrue, and I undertake in future not to repeat such statements for which I hereby apologise, and I agree to the publication of this withdrawal and apology in "The Chemist and Druggist" newspaper.

Dated this 29th day of July, 1920.

(Signed) **GEORGE LENNOX.**

Sterilized Dressings

HAS it occurred to you that as a result of the War many thousands of people who previously did not know much about it are now acquainted with the use of Surgical Dressings, and realise the importance of Sterilization?

There is a sense of security about the use of Sterilized materials which appeals to a large section of the community.

When in addition you can offer goods which are of first-class quality, you have confidence in selling, because you know the goods are right and your customer is sure to be satisfied.

Further than that, the finish of the article helps you—cutter-lid tins, black wrapped, with gold label and red seal—the combination of colour compels attention—the exterior is an index to the contents—it's all good, but only when it's "Zorbo" Regd. Brand.

SUPERFINE ABSORBENT COTTON WOOL.

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| Prices per } | Sizes | 1 lb. | 8 oz. | 4 oz. | 2 oz. |
| dozen tins } | | 64/- | 35/- | 19/- | 11/- |

ROBERT BAILEY & SON, Ltd.,
SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
 CABLES UNDISPUTED, STOCKPORT. CODE A.B.C. 5TH EDITION.

Maw's Page

August 7, 1920.

No. 460.



The Value of Co-operation.

Some of the most striking developments of modern business have resulted from the recognition of the importance of co-operation.

The House of Maw and its patrons provide a magnificent example of the most broad-minded form of industrial co-operation—the co-operation of manufacturer and wholesaler with the retailer.

This form of co-operation implies a mutual loyalty, the results of which are admirably demonstrated by the continued progress of the pharmacist on the one hand, and, on the other, by the fact that the continued patronage of its customers has ensured the success of the House of Maw during more than a century of trading.

The determination to co-operate with the retail pharmacist is with the House of Maw stronger to-day than ever.

The expansion of the enterprises of the House guarantees such support to the pharmacist as will enable him not only to hold his ground, but also to advance in the face of all competition, whatever its nature may be.

We take this opportunity of assuring the pharmacist of the continuance of our support and assistance. We invite his co-operation in all matters concerning current business problems.

*The aim of the House of Maw
is to secure the business of
Pharmacy for the Pharmacist.*

Telephone:
"City 7"
(Private Branch Exchange).

S. Maw, Son & Sons, Ltd.,
7/12 Aldersgate St.,
London, E.C.L



Telegrams:
"Eleven Cent,"
London."

**JOB BROTHERS
GUARANTEED PURE GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
IS THE FINEST OIL PRODUCED**

It is perfection in colour, smell, taste and absolute purity.
Manufactured from the finest fresh Cod Livers on same
day as fish caught.

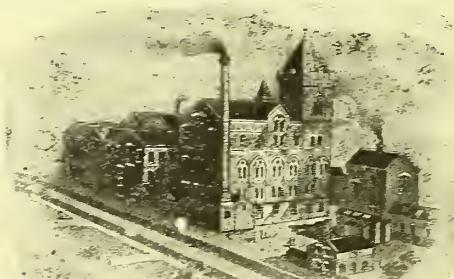
WHOLESALE ONLY

JOB BROS., Manufacturers, Tower Building, LIVERPOOL

Telegraphic Address: "JOB LIVERPOOL"
And of ST. JOHN'S, N.F.

Tel.: 1039-CENTRAL

Established 1780

"John Bull"

 (REGD.)
MALT EXTRACT
 and
COD LIVER OIL

Does not separate.

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale
and Export only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

GERMOLENE

THE ASEPTIC SKIN DRESSING

GERMOLETS in Tablet form, for Blood and Skin Troubles.

The demand for these preparations is increasing daily, and chemists are strongly urged to carry good stocks. Order now to guard against transit delays.

GERMOLENE ASEPTIC SOAP

The introduction of Germolene has led to a persistent demand for GERMOLENE SOAP, and the proprietors are pleased to inform the Trade that this preparation is now obtainable.

Wholesale price, 11/- per doz., less usual discounts.

Retails : Single Tablets, 1/3 ; 3-tablet Boxes, 3/6.

WINDOW SHOW TERMS, showing over 30% PROFIT on COST.

Minimum Orders, £10 assorted—GERMOLENE, VENO's LIGHTNING COUGH CURE, Dr. CASSELL'S TABLETS, etc. 5 % allowance for Window Display, and *pro rata* larger orders. 2½ % discount for cash in 30 days.

**ALL GOODS CARRIAGE PAID, PACKED IN FREE BOXES.
UN SOLD GOODS EXCHANGEABLE AT ANY TIME.**

SOLE MANUFACTURERS & PROPRIETORS—

THE VENO DRUG CO., Ltd.
Manufacturing Chemists,
MANCHESTER, ENGLAND.

Telegrams : "SEAWEED MANCHESTER."

Telephone : 422 TRAFFORD PARK.



HOW DO YOU PACK YOUR 1-oz., 2-oz., $\frac{1}{4}$ -lb. and $\frac{1}{2}$ -lb.

EPSOMS, SOD. BICARB. GLAUBERS & ACID. BORIC ?

Is each Packet an Advertisement for You ?

*Does it pay You to let your highly paid
Assistants pack these lines ?*

OUR PRICES ARE :

| | 1-oz. Gross | 2-oz. Gross | 4-oz. Gross | $\frac{1}{2}$ -lb. Gross |
|-------------------------|----------------|----------------|----------------|-----------------------------|
| EPSOM SALTS | 9/- | 13/- | 19/6 | 32/6 |
| GLAUBER SALTS | 9/- | 13/- | 19/6 | 32/6 |
| BICARBONATE OF SODA 8/6 | | 12/6 | 18/- | 30/- |
| BORACIC ACID | 16/6 | 26/6 | 47/6 | 85/- |

These prices are for our FIRST QUALITY STYLE.

**IF YOU COMPARE OUR PRICES, PLEASE
COMPARE OUR PACKING ALSO.**

WE SHALL BE PLEASED TO SEND SAMPLES.

NAME AND ADDRESS FREE ON ORDERS OF 15/- OR OVER

(If customers will give us their printer's name we can have the labels printed in their usual style to match their other labels.)

CARRIAGE PAID ON ORDERS OF £3 OR OVER.

EVANS, GADD & CO., LTD.

BRISTOL ————— **and** ————— **EXETER**

AYRTON'S WEEKLY

PAGE
15

You can depend

upon receiving prompt and courteous service when you place your order with Ayrton's for Drugs and Pharmaceuticals.

You can also depend upon our prices being the lowest, consistent with quality, which is our first care.

May we quote you specially low prices for

- Ext. Cascara Sagrada Liq.
- Ext. Glycyrrh. Liq.
- Ext. Belladon. Liq.
- Ext. Ergotæ Liq.
- Ext. Senegæ Liq.
- Emulsio Petrolei & Hypophos.
- Emulsio Olei Morrhuae & Hypophos.



Place your order with
Ayrton's for
Drugs
Pharmaceuticals
the highest
possible quality.

AYRTON, SAUNDERS & CO. LTD.
Manufacturing Chemists

LIVERPOOL

CHLOROPHYLL

FAST TO LIGHT — ABSOLUTELY PURE

Telegrams—"SANDOZ BRADFORD." THE SANDOZ CHEMICAL CO., Ltd.

Telephone—BRADFORD 1302.

BRADFORD.

ROURE BERTRAND FILS, GRASSE. Established 1820.

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American),

VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

STEPHENS BROTHERS & CO., 2, 5 & 6 Bury Court, St. Mary Axe, London, E.C.3.
Wholesale Houses only supplied.

Delphinus

TOILET
PREPARATIONS

Face Cream, Dental Cream,
Brillantine (Solid & Liquid).
Pomade Hongroise, Nail Polish.
Shampoos, etc.

Products of
Unvarying
Excellence

Prepared by
The Delphinus Mfg. Co.
45 Edward Street, Brighton.
Cables & Wires: Hongroise, Brighton.

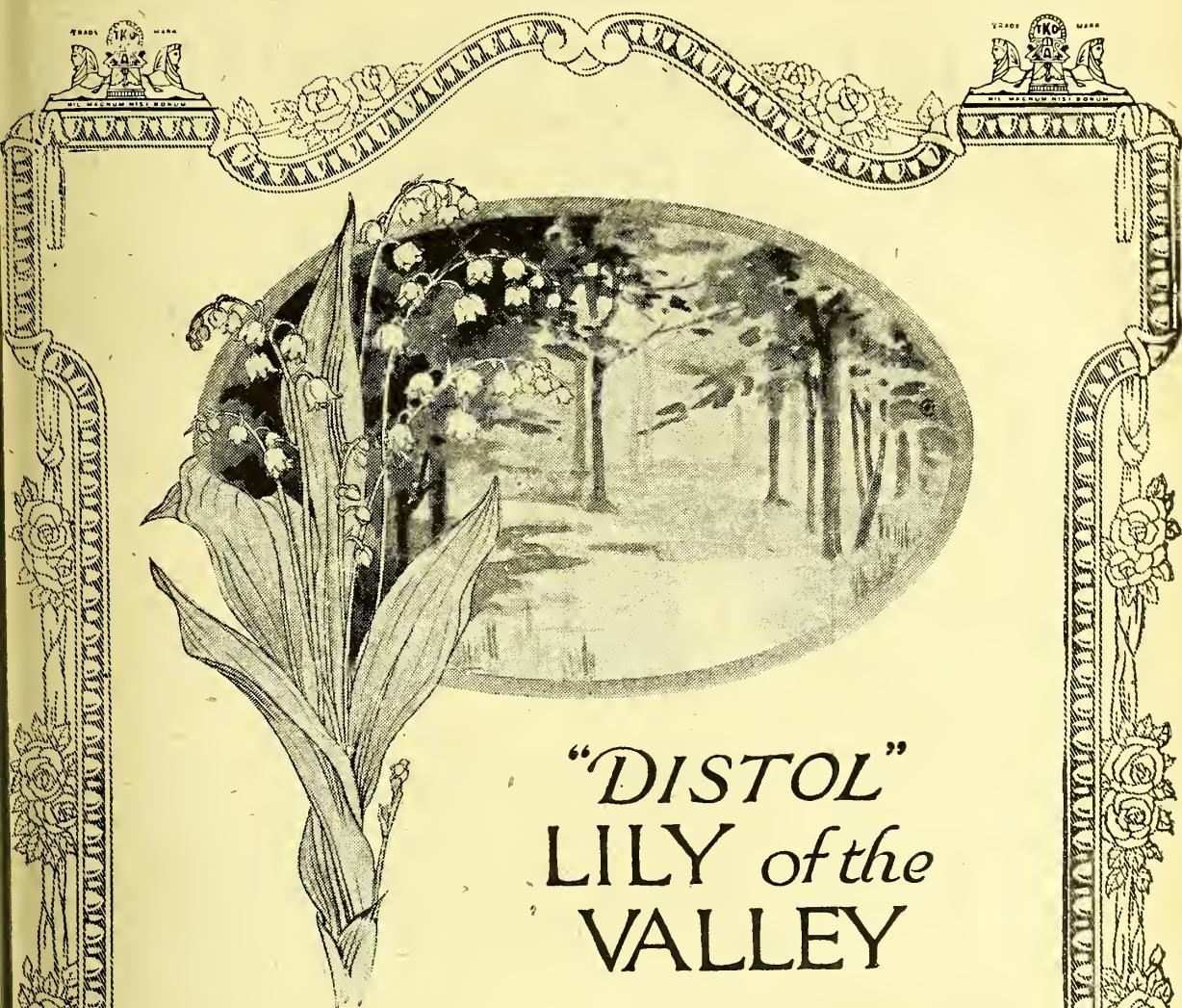
We do not incur heavy expenses
in advertising to the public, but
prefer to give our Clients the
benefit of increased profits.

Sole Agents for Scotland :
Messrs. HENDRY & SMITH & Co.
83 Renfield Street, GLASGOW.

BE WISE ! Write us
TO-DAY.

Delphinus

TRADE MARK



“DISTOL” LILY of the VALLEY

THE story of “Distol” Lily of the Valley is the story of any one of the thirty-four “Distol” Ottos. The odours differ, but the quality and convenience are the same always.

Whether your demand is for an elusive perfume such as Lily of the Valley or a pungent oriental scent such as Nubian Poppy, “Distol” Ottos will supply your needs at a minimum of cost and labour, and without locking up capital in big stocks of S.V.R.

An ounce of any “Distol” is made in a few moments into 80 oz. of choice perfume by the mere addition of S.V.R. and Aqua Dest., without the need of tinting, filtering, blending, distillation or any other time-absorbing process.

Send for samples of perfumes made under ordinary commercial conditions from any six “Distol” Ottos.

THOMAS KERFOOT & CO LTD
BARDSTLE VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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SUNDRIES - DRUGS
PROPRIETARY ARTICLES
PHOTOGRAPHIC GOODS
TOILET SPECIALITIES
- PACKED GOODS -
OWN NAME TOOTH PASTES
SURGICAL INSTRUMENTS
DRESSINGS
TRUSSES - etc. - etc.

Telephone :
MUSEUM 5440 (Private Exchange).

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"PHARSALIA, PHONE, LONDON."

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ILLUSTRATED CATALOGUE
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CHEMISTS'

OWN NAME PACKED PHARMACEUTICALS.

OUR
"MINOR AILMENT SERIES"
will enable the busy Pharmacist to offer a
remedy of sterling value for all and every
complaint.

The prices are such as to leave an ample
margin of profit to the retailer and yet not
become too expensive to the purchaser.

Considering the cost, trouble and delay in
procuring bottles and labels, cartons, etc.,
of first quality, and further the increasing
cost of labour in the pharmacy in packing
them, it will be self-evident to the busy
pharmacist that they are a distinct
advantage.

The entire series has a high-class
appearance, creates confidence and makes
sales easy.

Write for Price List and Samples.

Cuxson, Gerrard & Co., Ltd.
Oldbury, near Birmingham.

Foreign & Colonial Orders Invited.



Blood Mixture C.15.

N. V. Chemische Fabriek "Naarden"

Bussum, Holland.

MANUFACTURERS OF AROMATIC CHEMICALS,
FLOWER OILS & TERPENELESS ESSENTIAL OILS.

HELIOTROPINE AUBEPINE NARCISSUS EUGENOL DIPHENYLOXIDE

Please apply to our Sole Agents for Quotations and Samples—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2.

Telephone: City 4719.

Telegrams: "Gerbromco, Cent, London."

A. W. SCHWARZ HEIRS
FACTORY OF
Synthetic Perfumes
ALTSTETTEN—ZURICH.

Loritol (Muguet), Ionone (Violette), Geraniol, Citronellol, Rhodinol, Chirassol, Phenylethyl, Alcool, etc.

Specialities for fine perfumery

Ambre Concrete, Biancol, Birosine, Boudardine, Capucine, Chene Royal, Heliotrope, Jacinthe, Idealone, Neroly, Raldeine, Roseine, Sweet Pea, Narisse, Orchidee, etc., etc.

Specialities for Soap Manufacturers

Acaciol, Cassia N. Cyclaman, Geranium-Roseine, Giroflee, Lilac, Muguet, Patchouly, Violet, Reseda, Peau d'Espagne, etc., etc.
ASK FOR SAMPLES.

Sole Agents for the British Empire:

G. E. KAYE, LTD.,

65 Fenchurch St., London, E.C. 3.

Telegrams: "Thesaurus-Fen, London." Phone: Central 1708

"ARETHUSA"

Brand

ESSENTIAL OILS

LEMON, ORANGE (Sweet & Bitter)
BERGAMOT :: MANDARIN

Guaranteed absolutely pure

The Brand that covers only Finest Quality Oils.

*Manufactured by the old-established house of
FRATELLI JUNG (Est. 1867) Palermo,
Messina, Catania.*

ASK YOUR USUAL SUPPLIERS
to deliver you "Arethusa" Essential Oils,
or apply to the London Agents:

Gerald McDonald & Co.,
9 BOTOLPH LANE - E.C.3.

Telegrams: "Spicebush, Bilgate, London."
Telephone: Avenue 206 (3 lines, 7 extensions).

"HEADQUARTERS"

SPANISH ESSENTIAL OILS

LARGE STOCKS



RIGHT PRICES

EVERY KIND.

PRICE LIST GLADLY SENT ON APPLICATION.

LONABARC TRADING CO., LTD.

5 FINSBURY SQUARE, LONDON, E.C. 2.

Telegrams: "Lonabarc, Finsquare, London."

Telephone: Clerkenwell 2096.

AMERICAN ESSENTIAL OILS

"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD
OIL CEDARLEAF

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Heliotropine Crystals C.P.
Vanillin C.P.
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MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,
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Manufacturers of

ESSENCES & PRIME MATERIALS for MANUFACTURING

PERFUMERS, CONFECTIONERS, ETC.

SYNTHETICS ARTIFICIAL VIOLETS (MYRIONE)

Artificial Musk

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.
98/104 OAKLEY STREET,
LONDON - S.E.1.

Agents for the UNITED
KINGDOM & CANADA.

DE LUZY 5/- PERFUMES



SERIOUS WARNING

Perfumery will be dearer at Christmas. Write for list, and book a forward order at present prices.

¶ Meet the universal demand for a good article at a small cost.

¶ Particularly successful with Seaside Chemists just now.

5/- RETAIL 40/- dozen.
CARRIAGE PAID ON A DOZEN DURING AUGUST.

Test Samples and Showcards supplied.

Put up in
Violette, Jasmin, Mimosa, Rose, Muguet, Oeillet.

5/6 RETAIL 44/- dozen
In Ambre, Chypre, and Origan.

Highest quality Perfume in reputed 1-oz. stoppered bottles, each in Carton, extremely elegant and dignified. We will take back any order, carriage at our expense, if you consider our claims exaggerated.

W. H. CALNAN & CO., 30-32 Ludgate Hill, E.C.4

A. H. RIISE'S

ST. THOMAS NEW YORK COPENHAGEN

BAY RUM

The genuine West Indian Bay Rum. The most delicate tonic for the hair, the skin, the bath.

Prompt delivery from the free harbour at Copenhagen, Denmark, in casks of about 180 litres.

For prices f.o.b. St. Thomas, apply to
A. H. RIISE, ST. THOMAS.

Apply to—

AUGUST FABER & CO.
60 Mark Lane, London, E.C.3.

or

A. H. RIISE
6 Engtoftevej, Copenhagen.

Trade
Mark



*Johann Maria Farina
D E Metzen am Dom zu Köln*

Distilled in France.

ESTABLISHED IN 1695

**THE ORIGINAL
EAU DE COLOGNE**

*Distilled in Paris by a Syndicate of
English and French ex-Officers.*

NOW AGAIN ON THE ENGLISH MARKET.

Sole Concessionaires:

MERX, LTD.

11 Tothill Street, Westminster, LONDON, S.W.1

Brillantine Exotique



Small size 1½ oz., 7/- per doz., in green, yellow and red, exquisitely perfumed with natural floral essences.

This product shown well sells well. The quality of the production is unsurpassed.

Brillantine Exotique is absolutely free of mineral oils. It is an article of superb appearance, elegantly packed, of unique character and possessing all the qualities of a real best seller.

Its low wholesale price of 12/- per doz. reputed 3 oz. leaves a handsome margin of profit. The minimum selling price is 1/6.

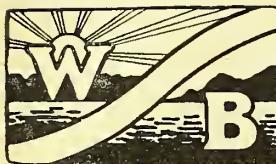
INTRODUCTORY BONUS—SPECIAL.

With each order of 3 doz. a bonus of $\frac{1}{2}$ doz. as a Sales Promoter.

London.
11, Southampton Row, W.C.

Areco Ltd

Paris ^{no.}
Rue Tailboult.



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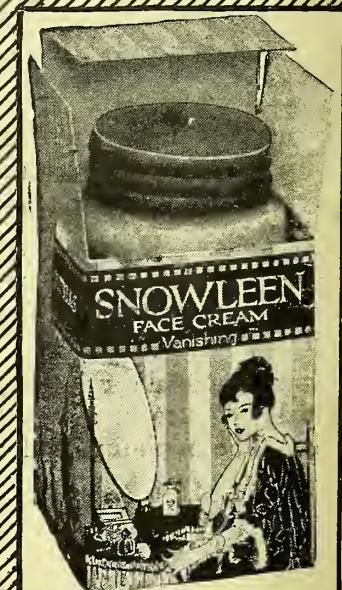
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THE FINEST LINE A CHEMIST CAN HANDLE

GIVES YOU
A PROFIT OF
OVER 7½^D PER POT

WRITE FOR SAMPLES &
PARTICULARS OF OUR
NEW BONUS TERMS

WHITE BAND MFG. CO. LTD.
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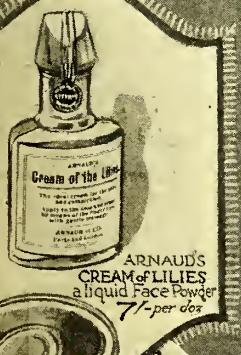


ARNAUD ET CIE'S
HIGH CLASS
TOILET
PREPARATIONS

ADJANTINE (Regd)
A Herbal Hair Grower
9/6 per doz



DUPORTE'S BORACIC
TALCUM POWDER
5/- per doz



ARNAUD'S
CREAM of LILIES
a liquid Face Powder
7/- per doz

BORALIA (Regd)
Dental Wash
15/- per doz



BORALIA (Regd)
Coconut Oil Shampoo
12/6 per doz

BRILLANTINE de PARIS
Concrete
8/6 per doz



CRÈME de VENICE
A Liquid Vanishing Cream
11/6 per doz

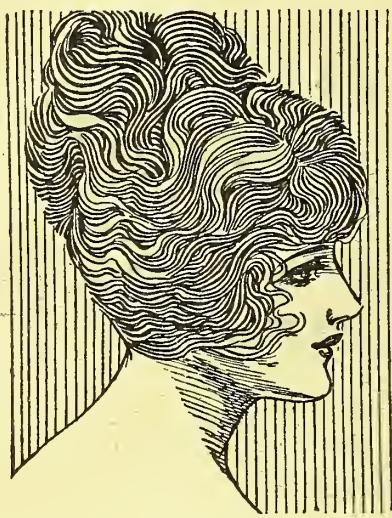


POUDRE de RIZ CARESSA (Rachelle White & Pink)
A delicately perfumed & high class Face Powder
10/6 & 7/- per doz



ARNAUD'S
BLOOM of ROSES
4/- per doz

POTTER & CLARKE LTD WHOLESALE
DRUGGISTS
60-64 ARTILLERY LANE · LONDON · E · C
& AT LUNA STREET · G · ANCOATS · MANCHESTER



The
**HENNA
CULT**

of Hair Beauty, based
on the famous

EVAN-WILLIAMS
ORIGINAL

HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of terms and prices in the current issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order



Wholesale only:

THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

"Jackel's Cream"

(without Grease)
for THE HAIR

Sold everywhere
Established 1883.



CRYSTALLISED
1/9 CREAM 2/3
Trade Mark attached to each
bottle.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

*Prices for Wholesale and Export
Houses on application.*

Jackel et Cie (of Paris)
Ltd.
Sauchiehall Street
GLASGOW

KEENOLIA Hair Cream.

MADE UP IN TWO SIZES:

4 oz. retails at 1/3
8 oz. " " " " 2/-

Attractive Showcards supplied GRATIS.

From all Wholesalers, or direct from Manufacturers.

*The . . .
" CASSON BRAND "*

**COLD CREAM
LANOLINE
LAVENDER ICE**



**THE
CASSON CHEMICAL CO.
LIMITED,**

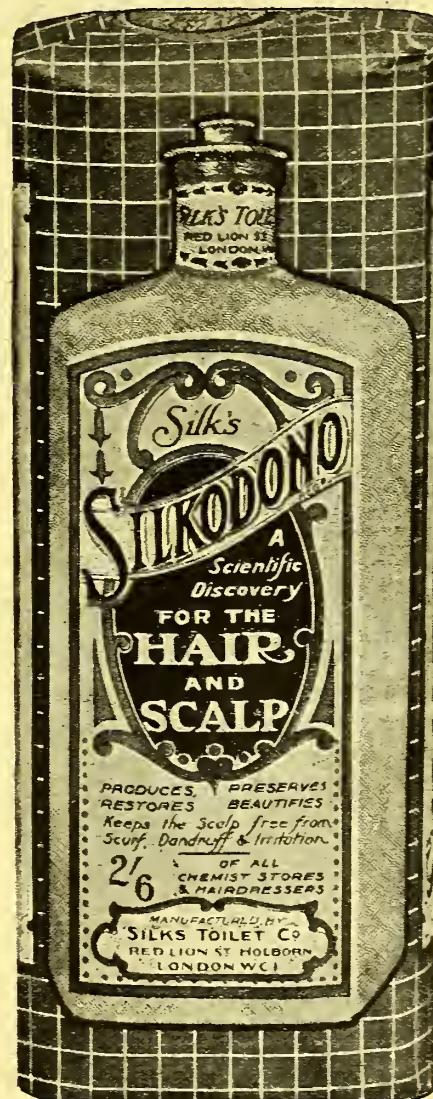
44a WESTBOURNE GROVE, LONDON, W. 2.
Telephones: Park, 2884 & 3568.

A SPECIAL ANNOUNCEMENT

regarding

SILKODONO
for the HAIR & SCALP

AS an appreciation of the great interest shown by the trade in Silkodono we have decided to extend the period of our Special Terms by one month. We repeat these terms in this advertisement, and it will be observed that these now hold good until August 31st. Those who have not seen our previous announcements, and those who may have overlooked them, will therefore have a further opportunity of taking up Silkodono on exceptionally profitable terms. To say that the trade have adopted Silkodono with enthusiasm is to put the position very mildly. Although our press advertising does not start until August 7th our manufacturing capacity is already being taxed to the uttermost, and this despite the fact that our staff has been increased 50 per cent. during the last few weeks. This surely proves that Silkodono is a preparation with more than ordinary merits. It is, in fact, absolutely different and superior to anything yet offered to the British public. It will be in large demand by the public within the next few weeks, and Chemists who have not yet ordered a supply should do so at once in order to secure the full benefits of our advertising efforts.



A notable Selling Feature of Silkodono is its beautiful Wrapper, which is attractively printed in Six Colours. the Original Bottle and Label being reproduced in actual colours. It is quite distinctive, and when shown in window or counter display will give a wonderfully striking effect.

SPECIAL TERMS
TO CHEMISTS
WHO ORDER BE-
FORE AUGUST 31st

| SILKODONO | £ | s. | d. |
|--------------------|----|----|------|
| 2 6 Size per dozen | 1 | 10 | 0 |
| BONUS | | | |
| 2 extra Bottles... | | 5 | 0 |
| | £1 | 15 | 0 |
| Costing you | 1 | 0 | 0 |
| Net profit of 75% | | | 15 0 |

| SILKODONO | 2 6 size, 3-doz. lot | 4 10 0 |
|---------------------|----------------------|---------|
| BONUS | | |
| 9 extra Bottles... | 1 | 2 6 |
| | £5 | 12 6 |
| Costing you | 3 | 0 0 |
| Net profit over 85% | | £2 12 6 |

| SILKODONO | 4 6 size per dozen | 2 14 0 |
|--------------------|--------------------|--------|
| BONUS | | |
| 2 extra Bottles... | | 9 0 |
| | 3 | 3 0 |
| Costing you | 1 | 16 0 |
| Net profit of 75% | | £1 7 0 |

| SILKODONO | 4 6 size 3-doz. lots | 8 2 0 |
|---------------------|----------------------|---------|
| BONUS | | |
| 9 extra Bottles... | 2 | 0 6 |
| | 10 | 2 6 |
| Costing you | 5 | 8 0 |
| Net profit over 85% | | £4 14 6 |

Manufactured by SILK'S TOILET COMPANY, Red Lion St., Holborn, London, W.C.1

Telephone : Holborn 3095.

Telegrams : "SILPORANO, HOLB, LONDON."

A. BOURJOIS & Cie, Ltd.

66 CARTER LANE - LONDON, E.C. 4.

Please note that the prices of
Poudre de Riz de Java (Bourjois)

are as under :

| | | | |
|-----------|---------------|-----------|---------------|
| 2/- size. | No. 45 | 1/3 size. | No. 495 |
| 1 doz. - | 16/- per doz. | 1 doz. - | 11/- per doz. |
| 6 " | 15/9 " | 6 " | 10/9 " |
| 12 " | 15/6 " | 12 " | 10/6 " |

The P.A.T.A. prices for Java Powder have been increased to
 May 1, 1920. 2/- and 1/3 per box.

MOUSLEY'S "BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality

Brown
 Fur,
 3/11
 each,
 Retail.



G. quality

Grey Fur,
 4/6
 each,
 Retail.

Additional Powder Bags, 6d. each, Retail.

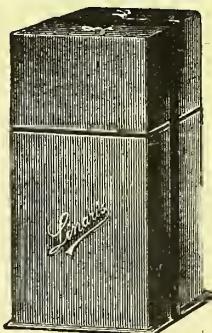
Revolution in Powder Puff Manufacture.

Thousands already sold.

Now stocked by leading Wholesale Houses.
 Usual Trade Discounts.

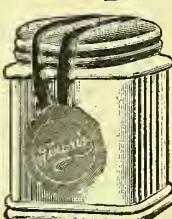
Patentee and Sole Manufacturer:

F. A. MOUSLEY.
 Priest Bridge, Mortlake, London, S.W.14.



Linaris

BATH POWDERS
 FACE POWDERS (all tints)
 SKIN FOOD
 BEAUTY CREAM
 TONIC CREAM
 VANISHING CREAM
 BATH SALTS, etc. etc.



Linaris
 Dept. I 31 Westbourne Grove
 W.2.



SPECIAL OFFER.

Chemically prepared
**SOFT LEATHER
 PADS.**

Suitable for
 Powder Puffs.
 No swansdown needed.

*Will remove
 all grease,
 and are washable*



A boon to all holiday-makers.

Retail at 1/- and 1/11½ each.

Extra Quality Manicure Scissors

FROM STOCK.

| | | | |
|---|-----------------------|------|------|
| Hand-forged, 3 or 3½ inches, plated steel, bent nail scissors | ... | 19/6 | doz. |
| " | straight ,," | 19/6 | " |
| " | bent cuticle scissors | 24/- | " |
| " | straight ,," | 24/- | " |

Please write for samples at once.

W. FRANKLIN & SON,

Finsbury Court, Finsbury Pavement, LONDON, E.C. 2.

Enolin

TOOTH PASTE "Strong" or "Mild"
 THE SUPER PASTE

"Enolin" is also supplied in Powder Form - 6d. & 1s. Tins

Selling Agents for Provinces, Ireland and
 Export—

Messrs. PATTINSON & MACKIE, LTD.
 Albion House, 59 New Oxford Street,
 London, W.C. 1.

Sole Manufacturers and Proprietors—

A. & E. CARRERAS, LTD., Perfumers,
 207 King Street, Hammersmith,
 London, W. 6.

FACE CREAM. TOOTH POWDER. NAIL POLISH
 POWDER. „ PASTE. HAIR CREAM
 BRILLIANTINE, Solid and Liquid. PERFUMES
 VIOLET POWDER. TALCUM. TOILET OATMEAL.
 SHAMPOO POWDER & LIQUID. MASSAGE CREAM

*Your own formula prepared, or we can supply ingredients if desired.
 Send for samples and quotations.*

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C.3.
 PHONE—AVENUE 1945.

CORKS The Best Value in the Trade.

ESTABLISHED 150 YEARS.

Importers & Manufacturers of all classes of Corks

USED BY

WHOLESALE CHEMISTS, DRUGGISTS, &c.

Samples & Prices Free on Application. Special Terms for Contracts & Export Orders.

JOHN DEIGHTON & CO. Contractors to H.M.
 Government, War Office, etc. **YORK, ENGLAND**

The Perfect Paste with the Pleasant Flavour.

Anglodol

Dental Paste

A Perfect Dentifrice.
Pleasant to the taste.
Profitable to the Retailer.

Retail Price, 7½d. and 1/3.

Window display terms on application.

ANGLODOL, LTD., BERKHAMSTED.

Telephone: BERKHAMSTED 138.

Cables and Telegrams: "ANGLODOL BERKHAMSTED."

SALES
ALWAYS INCREASING.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.

PERFUME
BRICK

FOR LINEN CUPBOARD AND WARDROBE.

On the P.A.T.A., Retail Price 6d.

WANDA TOILET PUMMICE.
WANDA NAIL POLISH.
WANDA ONE-DROP PERFUME.

Of the Makers:
WILLIS, LOW & DRUIFF, LTD.,
33 Percy St., London, W.1.
AND ALL WHOLESALERS.

NAIL
FILES,
SCISSORS,
CLIPPERS,
INSTRUMENTS.
—TWEEZERS & FORCEPS.—
Special quotations to large buyers.
HENRY W. SCURR, HENRY RD., SLOUGH

PERFUMERS ! SHORTAGE OF LABOUR

Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied if desired at lowest market prices. Write, stating requirements.

MARTIN & CO., 71 City Road, Finsbury, London, E.C.1.

EMERY BOARDS
AND
ORANGE STICKS.

CARDED FOR RETAIL CUSTOMERS.
CARDED OR LOOSE FOR WHOLESALE.

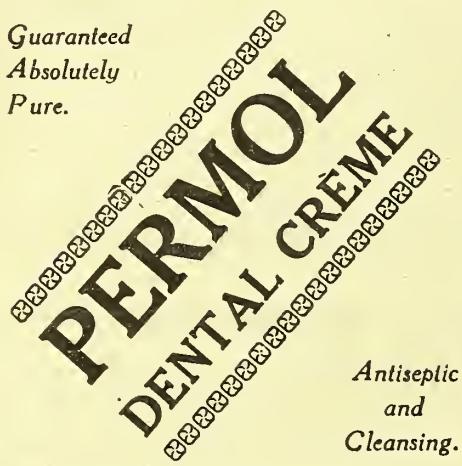
WILLIAMSON BROS.,
54 LOWER THAMES STREET, LONDON, E.C. 3.
Northern Showrooms:
Office No. 7, 49 Deansgate, Manchester. *Phone: } 5827 Avenue }*

We do not Profiteer
at the Expense of the Retailer.

Push "PERMOL" and make a profit of $33\frac{1}{3}\%$ plus a bonus of 1 doz. tubes per gross.

10/- per dozen post free
Packed in dainty cartons
specially arranged for
Counter Show.

Guaranteed
Absolutely
Pure.



The Dainty Dentifrice that
will pile up your profits.

FOR *Permol* PURITY

Registered Trade Mark.

On the P.A.T.A.

Send us a postcard and we will execute your orders in strict rotation.

Special Terms to Wholesalers.

PERMOL PRODUCTS Co., Ltd.

73 HIGH STREET,
LEWISHAM, S.E.13.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

| | | Price per doz. to Retailer. | Selling Price P.A.T.A. |
|--|------|-----------------------------------|------------------------------|
| PILENTA SOAP | - | 10/- | 1/- |
| A complexion soap. | | | |
| PROLACTUM | - | 10/- | 1/- |
| For the lips. | | | |
| PARSIDIUM JELLY | 10/- | 1/- | |
| For wrinkles. | | | |
| ALLACITE of ORANGE BLOSSOM | 22/6 | 2/6 | |
| A dressing cream. | | | |
| BORANIUM | 22/6 | 2/6 | |
| A hair tonic. | | | |
| CLEMINITE | 22/6 | 2/6 | |
| For a face lotion. | | | |
| COLLIANDUM | 22/6 | 2/6 | |
| For a face tint. | | | |
| PERGOL | 22/6 | 2/6 | |
| A deodorant. | | | |
| STALLAX | 22/6 | 2/6 | |
| For a shampoo. | | | |
| JETTALINE | 31/6 | 3/6 | |
| For clearing the skin. | | | |
| PHEMINOL | 36/- | 4/- | |
| A depilatory. | | | |
| MENNALINE | 36/- | 4/- | |
| For the eyelashes. | | | |
| MERCOLIZED WAX | 31/6 | 3/6 | |
| A face cream. | | | |
| STYML | 36/- | 4/- | |
| For oily complexions and blackheads | | | |
| BARSYDE | 22/6 | 2/6 | |
| Dandruff eradicator. | | | |
| TAMMALITE | 22/6 | 2/6 | |
| For grey or faded hair. | | | |
| LIQUID PERGOL | 31/6 | 3/6 | |
| To check excessive perspiration locally. | | | |
| BICROLIUM | 22/6 | 2/6 | |
| For whitening the hands. | | | |
| HARAPOSA | 22/6 | 2/6 | |
| Nut oil shampoo. | | | |

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA :

ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

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LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

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JAMNADAS BROS. (Bombay)

NEW ZEALAND :

SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA :

DEARBORN, Ltd., Calle Salta 264, Buenos Aires.

C. DAMSCHINSKY'S

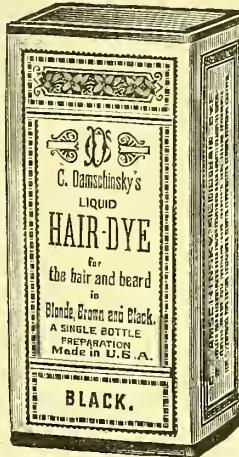
AMERICAN LIQUID DYE.

Single Preparation for
the Hair and Beard.

MADE IN
FIVE NATURAL SHADES,
BLONDE, LIGHT BROWN,
BROWN, DARK BROWN,
AND BLACK.

2/- Size 15/- per doz. net.

3/- " 22/- " "



This excellent Dye has
an enormous Sale all
over the World.

SIMPLE TO USE.

WILL DYE
RED, GREY OR FADED HAIR
TO THE DESIRED SHADE
IN A FEW MINUTES.

IT IS NOT A BLEACH.
WILL NOT DYE DARK HAIR
LIGHTER.

From all Wholesale Houses or direct from sole British Agents :

OSBORNE, GARRETT & CO., LIMITED,
LONDON, BIRMINGHAM AND GLASGOW.

THE Ogee "OGEE" FETTPOWDER. THE Ogee

THE PREMIER POWDER FOR THEATRICAL USE.

The "Ogee" Fettpowder

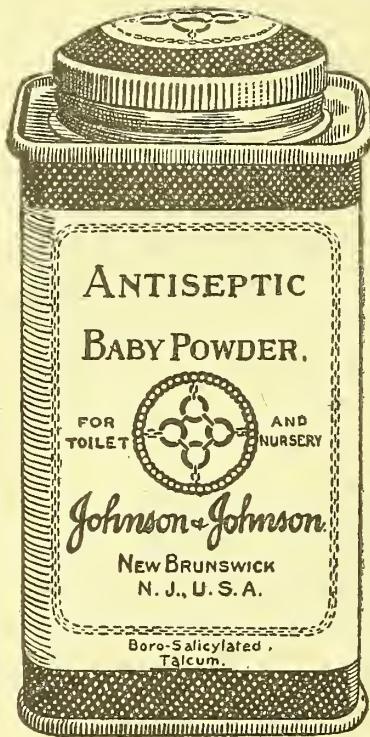
PRICE 12/6 PER DOZEN.

In White, Rose, Natural and Rachel.

PROPRIETORS OF
THE CELEBRATED "OGEE" BRAND OF GREASE PAINTS,
AND THEATRICAL PERFUMERY.

OSBORNE, GARRETT & CO., LIMITED,
BIRMINGHAM. LONDON, W. GLASGOW.

**SOLD THE
WORLD OVER.**



Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON
British - Manufacture.

Made from the Best Talcums
and Delicately Perfumed.

Bonus given for order of 2 gross
and window display.

For particulars apply to—

JOHN TIMPSON & Co., Ltd.
104 Golden Lane - - E.C. 1.

*All High-Class Chemists
should stock*

DENTIFRICE **LACOSTE**

the well-known Liquid Tooth
Cleanser for checking pyorrhœa.
Retail 3/- and 5/- per bottle.

Also the unrivalled
SAVON DENTAIRE LACOSTE
for cleaning Artificial Teeth
Plates.
Retail 2/6 per pot.

*Liberal Discount to the Trade.
ATTRACTIVE SHOWCARDS SUPPLIED.*

Wholesale and Export:

LACOSTE et CIE,
123a Borough High Street, London, S.E.1.
Telephone: Hop 1789.

The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

J. KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London E.8.

PUFFS of ALL KINDS in DOWN and WOOL.

SOLID FACE POWDERS

COMPLETE WITH PUFFS.

Inquiries invited by makers.

F. SCHUTZE & CO., Ltd.,
BLACK BULL WORKS,
Caledonian Market, London, N.7.



There's 'Good Business' in

Pastrella

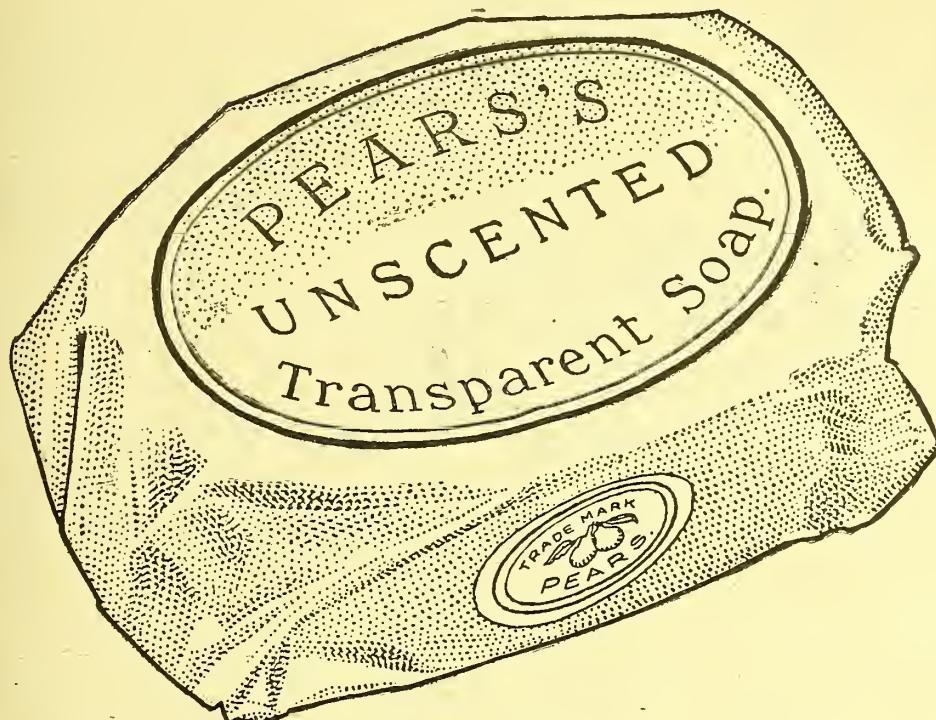
**Pearle
Poudre**

*gives minimum profit
of 53% on outlay.*

**Nail
Poudre**

*gives minimum profit
of 55% on outlay.*

*Sole Distributors,
F. NEWBERY & SONS LTD. 27-28. CHARTERHOUSE SQ. LONDON E.C.*



*This should be on your list of
“Stock Wanted”*

Pears

PRICE'S REGINA Shaving Stick



*The Fact that
this fine Shaving
Requisite is*

**WELL ADVERTISED
HIGHLY POPULAR and
VERY PROFITABLE to
YOU**

*should induce you to stock
the home produced article
in preference to imported
Shaving Sticks*

**ORDER "REGINA"
AND HELP THE EXCHANGE**

*Samples & Quotations from
PRICE'S
BATTERSEA. LONDON. S.W.11*

Do You Serve the Discriminating Public?

If you do—you can best retain their custom and maintain a well-earned reputation by stocking

COOK'S PURE TOILET SOAPS

which meet the approval of the most fastidious,

COOK'S MEDICATED SOAPS

that have received the commendation of the Medical and Nursing professions, and

COOK'S DISINFECTANTS

that have won world-fame by sheer merit.

Please send for our complete price lists.

Edward Cook & Co.
LIMITED,
Bow, London, E. 3.



SHAVING BRUSHES OF QUALITY

MANUFACTURED BY

F. LAVISTA & FREEMAN,
10 MOOR LANE, FORE STREET,
LONDON, E.C. 2.

Phone: LONDON WALL 1656.
Wires: "SPAZZOLA, BARB. LONDON."

And Forest Brush Works, Walthamstow, Essex.



*We are now in a position to deliver our
BEST LONDON-MADE Shaving Brushes
in Four Qualities, as under:*

BONE HANDLES. STANDARD SIZES.

Series A. Pure Badger. Series C. Pure Badger and Hair.
" B. Pure White Bristle. " D. Imitation Badger.

Wholesale and Export.

APPLY FOR PRICE LIST.

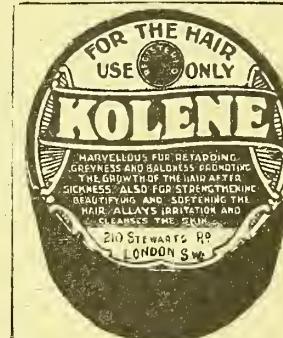
G. B. KENT & SONS, LTD.

Are known the World over as
the Largest Manufacturers of

**BEST
BRITISH
BRUSHES**

Please write for full Particulars to—

75 Farringdon Road, E.C. 1.



KOLENE

FOR THE HAIR
is sold in all parts of the
United Kingdom.

Sales run into millions annually.
Reduced.

| | | |
|------------|--------|------------|
| 1½d. Boxes | Kolene | 12/- gross |
| 3d. | " | 24/- " |
| 1 oz. Pots | " | 48/- " |
| 2 " | " | 72/- " |
| 3 " | " | 96/- " |

These prices are strictly net.

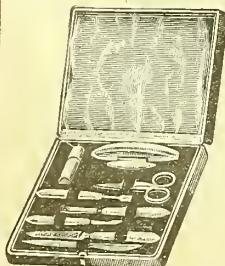
KOLENE
has a rapidly increasing SALE.

*Ask for one of our travellers to call, or order direct from
The KOLENE CO., 206 Stewart's Rd., London, S.W.*

We Manufacture all we sell.

We have representatives in
Manchester, Glasgow & Ireland.

Wholesale & Shipping only supplied.



MANICURE SETS

MANICURE PARTS

HANDLES

NAIL FILES

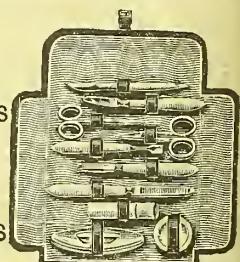


DRESSING COMBS

DUST COMBS

BRUSH BACKS

ERINOID ARTICLES



MYERS, LUMOS & CO.,
Sales Offices - 35/6 Aldermanbury, E.C.

Ring up City 3526.

Factories:
Islington & Finsbury Park, London, N.



TOOTH, NAIL, SHAVING AND BATH BRUSHES.

Makers of the "Athenæum" Tooth and Nail Brushes.

TITTERTON & HOWARD, 8 & 10 GT. TITCHFIELD ST., LONDON, W.1

BRUSH MANUFACTURERS:

BE SURE AND ADD

La-Rola

Rose Bloom

TO YOUR STOCK AT ONCE,

as it is being largely advertised in the
"Daily Mail," "Mirror," "Sketch," etc.

Do not lose the business
through being out of stock.

It is the most natural tint on the market,
and is selling well wherever introduced.

Lait La-Rola & Glycerine & Cucumber
supplied as usual,

All these articles are protected at FACE VALUE.
Write for Display Terms and save 10%.

M. BEETHAM & SON, Cheltenham.

*If you have any difficulty
in obtaining the supplies
you need of*

CALVERT'S

Carbolic Tooth Powder

OR

Calvert's Carbolic Soaps

**DISINFECTANTS and
other SPECIALTIES,**

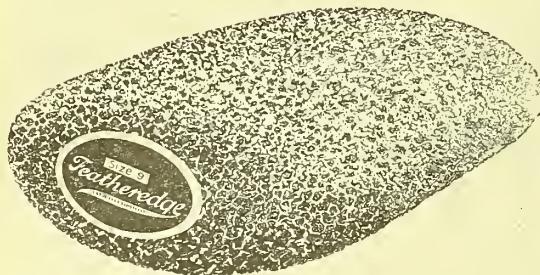
WRITE TO

**F. C. CALVERT & CO.
MANCHESTER - - ENGLAND.**

WHOLESALE AND EXPORT ONLY.

Featheredge
TRADE MARK

RUBBER SPONGES



Are durable and do not harden.
When used with soap, they make
a delightful lather.

Obtainable of all Wholesale
Druggists' Sundries Houses

MARKT & CO., LONDON, LTD.

American Merchants

— SOLE IMPORTERS —

98 - 100 CLERKENWELL ROAD,
LONDON, E.C. 1.

VERNON

POWELL LTD.

THE COMB SPECIALISTS

THE

ITY
OMB
ENTRE



VULCANITE
GALALITH

CELLULOID
HORN

THE LARGEST SELECTION
IN LONDON.

9 & 10 St. Andrew's Hill,
LONDON, E.C.4.

BEWARE !!

ANTHRAX

Is an EVER-PRESENT DANGER !

Be on the safe side and stock

**NONE BUT OUR
SHAVING BRUSHES**
and Camel Hair Pencils.

All Guaranteed FREE of ANTHRAX.

We also stock

COMBS - PUFFS - BAG PUFFS
Bone and Ivory NAIL FILES, and
all Manicure Requisites and Sets.

Wholesale and Export only Supplied.

A. E. DEPRETER,

24 HOLBORN, LONDON, E.C.1

Phone: Holborn 3182. Grams: "Aedeprelon, Smith, London."

These Tablets are Wonderful Sellers !

HEART-SHAPED Indigestion
Tablets are not a new line, they
have an established reputation,
but the window display is **just out**.
It makes an entire change from ordinary
summer lines, and it is a show that will
be remembered by the public long after
you take it out.

For steady, all-the-year-round sales, we know of no line that can beat them, and the retail price, while showing you a good profit, is reasonable.

The show is supplied free with all orders for 56 lb. and over. It is not use ordering a small quantity for you cannot display a few pounds effectively. With 56 lb. we include 200 free cartons besides the show.

In bulk.

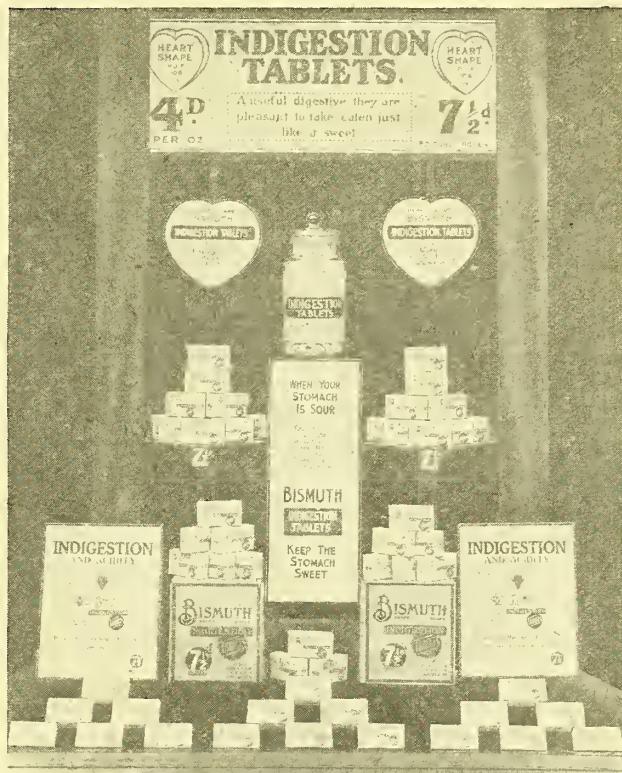
Prices : 28 lb. - 2/6 per lb
 56 lb. - 2/5 " "
 112 lb. - 2/4 " "

Packed.

2-oz. cartons, 48/- per gross

Sole rights for the district given, so be
the first to order.

This is the original Heart-Shaped Tablet and still the best.



Show supplied free with 56 lb. or 3 gross packed.
(Ribbon not included.)

You require both packed and bulk in the display.

W.B. Cartwright, Ltd
Rawdon near Leeds

Australia—
418 George Street, SYDNEY.
325 Flinders Lane, MELBOURNE.

New Zealand—
161 Hereford Street, CHRISTCHURCH.
Corner Albert and Durham Streets, AUCKLAND.



IT WON'T BREAK OFF!

*12½%. Reduction
in price to the Trade*

The superiority of Vint's Unbreakable Menthol lies in the unique feather arrangement by which the Menthol is firmly bound to its wooden base, ensuring ease of use, and effectually eliminating the possibility of "crumblings" or "breakings."

Every particle of Vint's Unbreakable Menthol is serviceable—there's no waste. This Vint's speciality is good menthol well packed, and these reduced prices make the proposition still more valuable to keen chemists who know that although the existing demand is great, personal recommendation can realise the still greater worth of this efficient speciality.

Note the new prices :—

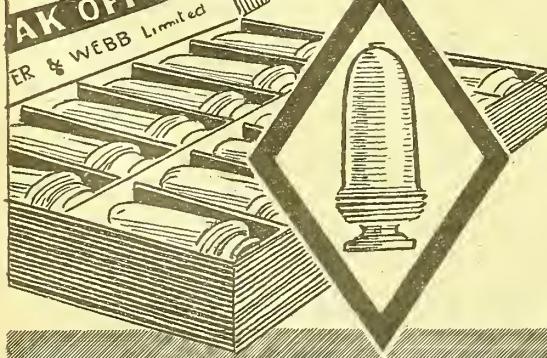
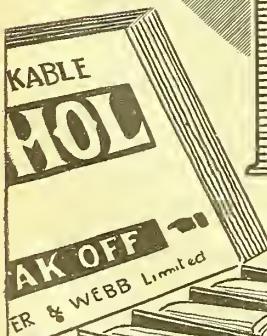
1/- size 6/6 per doz.
1/6 size 11/9 per doz.

1/- size shows 84% Profit on cost.

"Suits the vest pocket as snugly as the vanity bag."

EVANS SONS LESCHER & WEBB Ltd.
Liverpool. New York. London.

VINT'S UNBREAKABLE
MENTHOL
FEATHER BRAND



How a Chemist sold 183 bottles of ENO in a week

Chemists &
Druggists.

Registered Offices:-
8, Cole St. Chelsea.
S.W.

Telephone No.
Kens.2832 (3 lines)

Bennisons Ltd.

Also at . . .
153, Kings Road,
Chelsea, S.W.3.

325, Kings Road,
Chelsea.
S.W.3.

Also at . . .
86, Pimlico Road
S.W.

Messrs. J. C. ENO, Ltd.,
Blackfriars House,
Ludgate Circus, E.C.4.

July 8th, 1920.

Dear Sirs,

We confirm our order for 3 gross 3/- size ENO's Fruit Salt. At the same time you may be interested to know that during one week's special Window Display of ENO's at our 325, King's Road Branch, we sold 15½ dozen 3/- bottles of your "Fruit Salt".

This window show attracted a good class of customer into our Pharmacy, and demonstrated the undoubted advantages of exploiting a reputable article that ensures repeat orders and steady sales.

A photograph of the window display is enclosed herewith, and we wish to thank you for your assistance in making it such a big success.

Yours faithfully,

for BENNISONS, Ltd.

W. Bennison Managing Director.
Pharmaceutical Chemist.

This Chemist's Profit was £6 : 9 : 7

For Trade Terms, Advertising Material and details of our Special Window Display offer, please write to the Sales Manager, J. C. ENO, Ltd., Blackfriars House, Ludgate Circus, E.C.4.

SPECIAL OFFER to Progressive Pharmacists

FOR a limited period we are offering FREE two dozen boxes of ENO'S Vegetable Antibilious Pills, retailing at 1/3 per box, in place of our special 5 per cent. discount for Window Display. This means a profit to you of £5 : 16 : 5 on your outlay, but this special offer only applies to one gross orders for cash. Fuller particulars can be obtained on application to the SALES MANAGER.

Just what you want

IN

GLASSWARE

of every description.

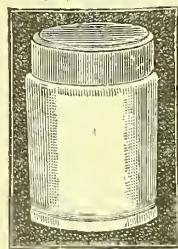
YOU may perhaps be buying only for immediate requirements and cannot get prompt delivery of the goods wanted. Apart from our huge Provincial stock, bear in mind we have *ready for delivery* at our various London depots

APPROXIMATELY

10,000 cases

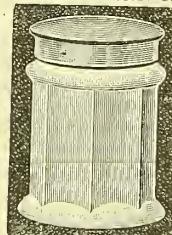
of every description of
Glassware for all purposes.

Porcelain Pomade (with
Celluloid Caps)
1, 1, 2 and 4 oz.



Opal Octagon Pomade,
1 & 2-oz. with Screw Caps

Smelling Salts.



The following are some of the lines we offer :

LIMES, tinted green, squat, 2-oz., packed about 15 gross cases, 12/- gross net.
Free port London. About 200 gross stock.

LIMES, tinted green, 4-oz., packed about 8 gross cases, 18/- gross net.

Free port London and Newcastle-on-Tyne. About 500 gross stock

MEDICALS, tinted green, 4-oz., plain, 1st quality, packed 5 gross cases, 21/- gross net.

Free port. Stock 650 gross Hull. 100 gross London. 100 gross Liverpool.

MEDICALS, 4-oz., graduated, packed 6 gross cases, 2nd quality, 19/- gross net.

Free port London. Stock about 200 gross.

MEDICALS, tinted green, 6 oz., 2nd quality, plain, packed, 6 gross cases, 22/- gross net.

Free port London. Stock 60 gross.

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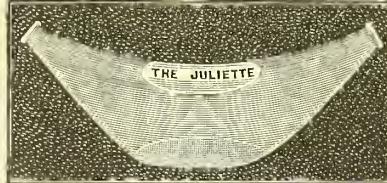
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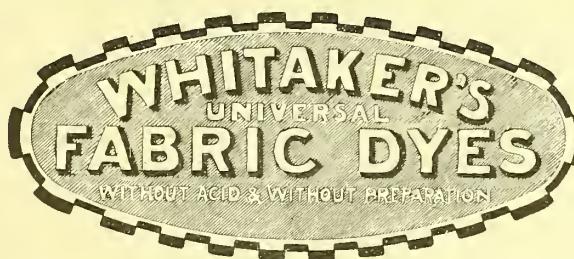
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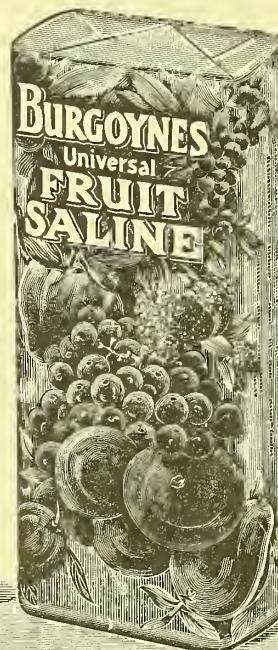
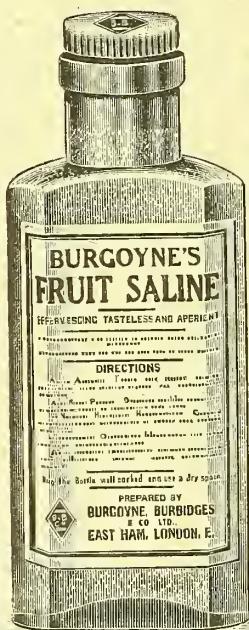
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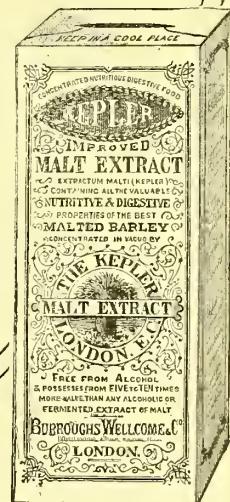
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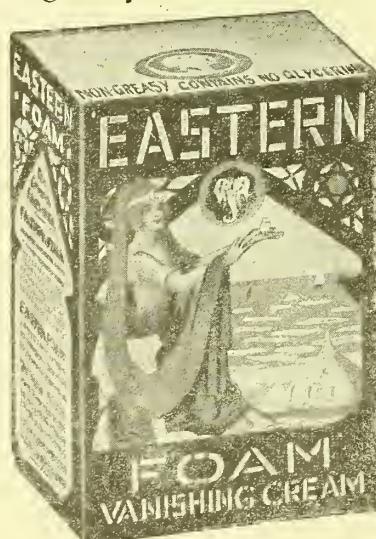


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Wills.

MR. EDWIN GUY, chemist and druggist, Eign Street, Hereford, who died on July 1, 1919, left property of the value of 3,350*l.* 0s. 2*d.*, with net personality 808*s.* 5*d.*

MR. PHILIP PERCY CORNELL, 156 Norwich Road, Ipswich, director of Cornell & Cornell, Ltd., chemists, who died on April 9, left property valued at 4,623*l.* 6*s.* 4*d.* gross, with net personality 1,831*s.*

MR. GEORGE PETER POND, chemist and druggist, 63 Fleet Street, London, E.C., and of St. George's Lodge, Hendon, W., who died on May 6, left estate of the gross value of 2,198*l.* 18*s.* 7*d.*, with net personality 323*s.* 15*s.* 10*d.*

MR. JAMES EMERSON REYNOLDS, M.D., D.Sc., F.R.S., Inverness Gardens, London, W., ex-President of the Chemical Society, who died on February 17, left estate the gross value of 1,461*l.* 0*s.* 7*d.*, with net personality 1*s.*

MR. JAMES QUIRK DIXON, wholesale chemist, 13 Chatsworth Square, Carlisle, who died October 30, intestate, left estate of the gross value of 3,537*l.* 17*s.* 5*d.*, with net personality 2,936*l.* 7*s.* 10*d.* Probate of his will has been granted to his widow, Mrs. Jessie Helena Dixon.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

House-organs.

The following are among the house-organs that have reached us lately:

"Camera House Journal" (W. Butcher & Sons, Ltd., London, E.C. 4) includes a page of smartly written paragraphs headed "Have you noticed?" and an inset describing a book designed to "make new photogravures."

"Asbestos" (Turner Brothers Asbestos Co., Ltd., Rochdale) maintains its variety of contents and its high tone. The current number includes papers by Lady Dorothea Hosie, Mr. Hartley Withers, Mr. W. F. Gibson, and other writers of standing, together with a striking cartoon bearing on the industrial situation.

"Reflections" (The Icilda Co., Ltd., London, N.W. 1) is as interesting as ever. The contents comprise a variety of subjects, ranging from increased production to queer trees and plants. The last three pages contain another instalment of "The Story of Icilda." The brochure conveys the feeling that an excellent spirit prevails between management and employés.

Profiteering Act Case.

At the sitting of the Islington Profiteering Committee on August 4, Parkes's Drug Stores, Ltd., were the respondents in a complaint by a nurse respecting the price of an offer for sale of powdered gum tragacanth, which was 2*s.* 6*d.* for 1 *oz.*, 1*s.* 6*d.* for $\frac{1}{2}$ *oz.*, and 1*s.* for $\frac{1}{4}$ *oz.* No sale was made. Mr. Alfred Higgs, J.P., treasurer of the Thames Valley Pharmacists' Association, appeared for the respondents. Complainant stated that she had bought $\frac{1}{4}$ *oz.* in a West End pharmacy for 8*d.* Cross-examined by Mr. Higgs: Before the war she used to pay 6*d.* per *oz.* for it. Mr. Higgs, addressing the Committee, said that the rate of profit on the prices quoted did not show a larger rate than before the war. The tragacanth in question was purchased last February by the respondents, and cost 2*l.* per lb. The wholesale or replacement price in July was 38*s.*; the pre-war price was 3*s.* 6*d.*, so the rate of profit on the price quoted for $\frac{1}{4}$ *oz.* was 40.6 per cent, or on the $\frac{1}{2}$ *oz.* 20.8 per cent, compared with the pre-war rate, which was 56.25 per cent. He drew the attention of the Committee to a circular issued by the Board of Trade, which mentioned that the Committee must have regard to all the circumstances of the case, including among other things the current cost price of a similar article. Price lists and invoices were put in in support of the case. Mr. Henry Gordon, chemist and druggist, manager of Messrs. Parkes's Putney branch, gave corroborative evidence. In giving the decision of the Committee, the chairman said that respondents' quotation did not show a larger ratio of profit than before the war, and therefore the complaint would be dismissed. He expressed the opinion that the pre-war profit was too high.

Fertilisers and Feeding Stuffs Act, 1906.

A deputation from several public bodies, including the Agricultural Analysts' Association and the Incorporated Society of Inspectors of Weights and Measures, waited upon the Ministry of Agriculture and Fisheries recently for the purpose of urging the amendment of the Fertilisers and Feeding Stuffs Act, 1906. The suggestions made were to a great extent identical with those given in the C. & D., 1919, p. 1173. Sir Lawrence Weaver, in reply, intimated his general agreement with the principle of the suggested amendments, but said that he was unable to accept the proposal to restore to county councils the power to prosecute on their own initiative, and that the Ministry regarded the law with regard to limited companies as already sufficient. In his opinion amendments involving chemical details could be more fittingly dealt with by regulations than by statute. He agreed with the deputation that the Act was out of date and largely ineffective, and announced that the Ministry considered

C C

a new Act desirable in preference to an attempt to amend the existing statute. The executive committee of the County Councils Association subsequently considered and adopted a report from the lecturer in agriculture to the Glamorgan County Council. The following are among the suggestions made in the report: That in Clause 1 (1) the term "soluble phosphates" should be "water-soluble phosphates"; that the term "potash" requires definition; that "carbohydrates" and "indigestible matter" in Clause 1 (2) should be strictly defined, and the method of analysis be laid down; that in respect to all compound manures, cakes, and meals, something more than mere analytical figures should be required; that the Act should state definitely the maximum percentages of sand, indigestible fibre, etc., allowed; and that an amendment is required which will prevent any mineral substance being sold as a fertiliser if it is worthless from a practical point of view.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Bradford, a child named Rushworth died from drinking, accidentally, a solution of ammonia.

An inquest was held at Wrexham, on August 4, on the body of a lad named O'Connor, who died while camping near the Dee. A medical witness expressed the opinion that the boy died from vegetable poison. The contents of the stomach were sent to the county analyst, whose report stated that death was due to poisoning by hemlock. Witness believed the boys used the stems of hemlock as pea-shooters. A verdict in accordance with the medical evidence was returned.

An inquest was held at Southampton, on July 30, on the body of Ernest W. Light, a baker's roundsman, who was found lying under a bush with two empty Jeyes' Fluid bottles by his side. A medical witness stated that death was due to carbolic-acid poisoning. Mr. Edwin Martin, assistant with Mr. George E. Gibson, chemist and druggist, Portswood Road, said that deceased purchased two 1s. bottles of Jeyes' Fluid at the shop on July 27. The bottles were both stamped and labelled with the word "Poison." An "Unsound mind" verdict was returned.

An inquest was held at Blackburn, on July 29, on Annie Bolton, aged four years, who had eaten chlorate of potash tablets left in a drawer. A medical witness stated that the cause of death was toxic gastritis consequent upon eating the tablets. Replying to the coroner, the doctor said there had been cases of poisoning through adults taking these tablets in large quantities. The Coroner: Lots of tablets people take are really dangerous?—Yes, quite a large number. The coroner said this showed how careful people ought to be. He did not say that people should not take those things, but they should not leave them lying about. A verdict was given in accordance with the medical evidence.

Birmingham.

Mrs. Barrow Cadbury has been appointed a justice of the peace for the city.

A further rebate of 6d. per thousand cubic feet in the price of gas is promised by the Birmingham Corporation.

The names of a number of chemists recently appeared in the local Press as giving away boxes of a well-known proprietary pill.

The festival of St. Lubbock was observed by pharmacy. Retailers remained closed until Tuesday, the more fortunate wholesalers until Wednesday, and "others" all the week.

George Alfred Holland, who with two other men was charged with stealing the goods of his employers (*C. & D.*, July 10, p. 50), was sentenced to nine months' imprisonment in the second division at the recent Birmingham Assizes. The other two men were discharged.

Liverpool.

Perfumery to the value (wholesale) of over 100/- was used in dressing one window of a Liverpool pharmacy during Conference week.

A Roman Catholic Congress has assisted in swelling the holiday lists at the Liverpool hotels, which remain crowded. A modification of the rainfall has also conducted to an increase of traffic and business.

After Conference exertions, holidays. Mr. Charles Huxtable (treasurer) is at Torquay, Mr. H. Humphreys Jones (secretary) is in North Wales, and Mr. W. J. Williams (assistant secretary) is at Teignmouth.

Mr. T. H. Wardleworth (formerly of Evans Sons Lescher & Webb's staff, and the local secretary when the British Pharmaceutical Conference met at Liverpool in 1896) is visiting Liverpool. Fogbound on the Atlantic, he landed too late for the recent Conference. Mr. Wardleworth is associated with the National Drug and Chemical Co. of Canada, Ltd.

The Conference collection for the under-stewards on the *Magnetic* was made by an official of the local Committee, who, when he had handed over the coins, placed the ship's plate he had used in his "poacher's pocket" for safety. Absent-mindedly he carried it home, but wrote to the White Star Co. prior to retiring to rest. Before he could take the plate down to the vessel, however, he received a courteous note asking him to keep it as a souvenir of a pleasant occasion.

In addition to Mr. G. Whitfield (Scarborough), the following chemists have booked passages to the United States on the s.s. *Canada*: Mr. J. W. Atkinson (Birmingham), Mr. William Benison (London), Mr. A. Bond (Newquay, formerly with Clay & Abraham, Ltd.), Mr. E. Carpenter (Bristol), Mr. C. Dean (Bury), Mr. E. Norman Heath (Heaths, Ltd., Liverpool), Mr. H. Holt (Rochdale), Mr. H. Lester (Nuneaton), Mr. T. J. Morris (Bristol), Mr. E. T. Rich (Swansea), Sir Thomas Robinson (Dublin), and Mr. J. A. Woodside (Ballymena).

Sheffield.

The Sheffield chemists have asked the firm of Thomas Beecham to fix face values for Beecham's Pills. It is understood that the answer is in the negative.

A case of siphon-stealing has lately come before the local justices. Chemists who keep their siphons on the open floor run considerable risk of theft: in one such case some youths stole lemonade, returned the siphon, and received 1s. as refund of the supposed deposit!

The Sheffield Pharmaceutical and Chemical Society, which has up to now stood out of the West Riding Federation, has decided to join the North-Eastern Federation. The subscription to the local Society, as foreshadowed last week (p. 38), has been increased to 10s. 6d.

Miscellaneous.

POISON-LICENCE GRANTED.—J. G. Hamling, Barnstaple, has been granted a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

FIRE.—A slight outbreak of fire occurred on July 28 at the shop of Mr. V. E. W. Dixon, chemist and druggist, Elland; it was extinguished before serious damage was done.

EXPLOSION.—An explosion in a compression engine at the chemical works of F. W. Berk & Co., Ltd., Morriston, resulted in the death of a workman. At the inquest, on July 27, it was stated that a fractured nut caused a cylinder pipe to be displaced. A verdict of "Accidental death" was returned.

A GRANT FOR SCIENCE.—At an extraordinary general meeting of Brunner, Mond & Co., at Liverpool, on August 4, a resolution was passed by a large majority that the directors be authorised to distribute to such universities or other scientific institutions in the United Kingdom as they may select for the furtherance of scientific education and research 100,000/- of the investment of the surplus reserve. An amendment to make the figure 50,000/- was defeated.

IN THE COURTS.—At Guildford, on July 30, C. H. Hooper, a motor-driver, of the R.A.S.C., was committed for trial on a charge of the manslaughter of Mr. Edward H. G. J. Orange, retired chemist, Aldershot, who died at the County Hospital, Guildford, after being knocked

over while cycling along Hög's Back (*C. & D.*, July 24, p. 66). Hooper, who pleaded "Not guilty" and reserved his defence, was admitted to bail.

PAINES' SPORTS CLUB.—The Sports Club of Paine & Co., Ltd., malt-extract manufacturers, St. Ncots, held its first "Sports Day" on July 24. Events were well organised, and showed that the club has some good athletes. One competition for guessing the weight of a cockerel was decided by drawing the winner's name, as eight competitors guessed the correct weight. Mr. McNish and Mr. Malcolm McNish (directors) officiated as judge and starter respectively. About three hundred members and friends were present.

Loss of SHEEP AFTER DIPPING.—At the meeting of the Leicestershire County Council on July 28, a resolution was passed calling upon the Ministry of Agriculture and Fisheries to reverse at once the Order for the double dipping of sheep (*C. & D.*, July 3, p. 76), in view of the large number of sheep killed in the process. One speaker said that he knew of thirty-five such losses. The Ministry of Agriculture and Fisheries has since issued a statement to the effect that a non-poisonous dip should be used "when double dipping with an interval of not more than fourteen days between the two dippings is prescribed," and that local authorities have been so informed by the Ministry.

Irish News.

Brevities

Among recent resignations of Justices of the Peace in Ireland, owing to the state of government of the country, is that of Mr. C. O'Hare, Ph.C., Newry.

At Enniskillen on July 31 George Johnston was remanded on a charge of attempting to murder James Maguire in February 1920 by putting poison in his tea.

Sir Charles Cameron has certified that all the samples of drugs submitted to him for analysis from Bailieborough Union were correct. A similar report has been made on drug samples submitted by the Dundalk Guardians.

News has been received in Strabane of the death of Mr. Samuel Moody, which took place in Buenos Ayres in July. Before his departure for South America Mr. Moody carried on business in Strabane as a chemist, and was widely known throughout the North of Ireland. He joined the Army during the war, and obtained a captaincy in the Royal Engineers.

Belfast.

During the recent disturbances in Belfast several windows in the chemist's establishment of Mr. J. Williamson, 167 Cromac Street, were broken.

Mr. Abraham Porter, Ph.C., late of Irvinestown, co. Fermanagh, and the Medical Hall, 90 Albert Bridge Road, Belfast, has secured the degree of M.D. of Queen's University, Belfast. Dr. Porter, who was formerly in South Africa, has lately acted as *locum tenens*.

Death from cyanide of potassium poisoning was the verdict at an inquest in Bangor, co. Down, on July 31, on Dr. William Jackson Crawford, lecturer in mechanical engineering at the Belfast Municipal Technical Institute, whose body was found on the rocks. Deceased was a well-known spiritualist.

Scottish News.

Brevities.

Kodak, Ltd., have removed to new premises at 36-40 West Nile Street, Glasgow.

A portrait and biography of Mr. John J. Forbes, chemist and druggist, Scott Street, Perth, has appeared in "The Bellman."

After swallowing several iron-and-arsenic pills which had been prescribed for its mother, a child, aged three, died in the Paisley Infirmary on July 31.

Referring to the recent North British Executive election, a correspondent writes that the number of votes recorded in favour of each candidate has not yet been published, and inquires why the custom of former years has not been followed.

Edinburgh.

A sign of the times is to be seen dangling from a local chemist's desk: "To commercials—Nothing Doing."

The laboratory at the shop of Mr. George Cowie, chemist and druggist, 37 Dublin Street, was destroyed by fire on August 3.

Two samples of ammoniated tincture of quinine, taken during the past quarter, were reported by the Leith public analyst as deficient.

Personalities.

DR. H. HATTORI, professor of botany and bacteriology at the Peers' College, Tokio University, has arrived in London for research work.

MR. A. G. WRENCH, chemist and druggist, East Croydon, underwent an operation for appendicitis on July 31. He is progressing favourably.

DR. J. J. ABEL, professor of pharmacology in the John Hopkins University, U.S.A., received the honorary degree of Doctor of Law at Cambridge University on July 29.

SOUTHALL BROS. & BARCLAY, LTD., Birmingham, have appointed Mr. Geo. L. H. MacManus, son of Mr. Geo. H. C. MacManus, their present resident representative in Ireland, to their travelling staff. Mr. G. L. H. MacManus will assist his father on the Irish ground.

MR. HARRY JEPHCOTT, M.Sc. (Lond.), F.I.C., Ph.C., chief chemist to "Glaxo," sailed for New Zealand in the *Athenic* on July 29. On behalf of the company he is visiting the various "Glaxo" depôts over there. Mr. Jephcott, who is accompanied by his wife, expects to be away from England for several months.

MR. F. D. SPENCER, chemist and druggist, Stratford-on-Avon, was, on July 29, awarded the diplomas certifying that he has qualified as M.R.C.S.Eng. and L.R.C.P. Lond. Dr. Spencer commenced his medical studies at Birmingham University in 1916, and for the past three years has filled the post of medical officer to the Warwickshire Cadet Infantry Brigade.

MR. FRANK B. ARNOLD, general manager of S. F. Goss, Ltd., chemists, Oxford Street, London, W. 1, has been elected a director of the Western Tablet Co., Ltd., 106 Church Street, Kensington, W. 8. Mr. Arnold is the fourth son of Mr. H. S. Arnold, pharmacist, Cwm Avon, Glamorganshire, and brother to Mr. A. H. Arnold, C.S.M., Pietermaritzburg, Natal, who is at present on a visit to this country.

Business Changes.

MACE & HALDANE, LTD., druggists' sundriesmen, have removed from 94 Milton Street, E.C. 2, to 64 Chiswell Street, London, E.C. 1.

MR. G. J. DRURY, chemist and druggist, has joined the directorate of George P. Pond & Son, Ltd., chemists, 68 Fleet Street, London, E.C. 4. Mr. Drury, who qualified in 1890, has had extensive experience in the City and the West End.

MR. H. G. HART, chemist and druggist, 130 Victoria Street, Grimsby, has purchased the business of Mr. G. L. Douthwaite, 170 Hainton Street. Mr. Douthwaite, who passed the Modified examination in 1869, is retiring, and the business will be continued by Mr. Hart as a branch.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Town.

SHOP HOURS ORDINANCE.—At the Second Criminal Court, Caledon Square, Cape Town, on June 30, before Mr. van Rooyen, Raphael Gink, chemist, was fined 10/- on two counts for contravening the Shop Hours Ordinance, 1915.

MEDICAL AND PHARMACY BILL.—Owing to the inability of the Government to proceed with the proposed Medical and Pharmacy Bill during the present session of Parliament, and following on representations from the various Pharmacy Boards and Councils throughout the Union of South Africa, the Ministry of Health has arranged for a conference of delegates of the four Pharmacy Councils to meet at Cape Town on July 15 to discuss, *inter alia*, the question of reciprocity between the various provinces, the formation of a joint examining board, and other questions affecting pharmacy in the Union.

STUDENT CHEMISTS' ASSOCIATION.—The Association of Student Chemists, a section of the Chemists' Employés' Association, held their first social evening in the Parliament Street Tea Lounge recently. The chairman (Mr. Fryde) opened the proceedings by explaining the aims of the Society. Among other things, he said that the Society was formed with the idea of helping every member to make himself so efficient that in future years the pharmacists of South Africa would be second to none. Mr. Bluett, hon. secretary of the parent Association, impressed upon the gathering the urgent need for qualified men offering their assistance to lecture. During the evening an enjoyable musical programme was rendered.

CHEMISTS' EMPLOYÉS' ASSOCIATION.—At the June meeting the President (Mr. Wragg) stated that a communication had been received from the Cape Town University authorities to the effect that they were prepared to give every assistance in the way of providing additional educational facilities for the members of the Association. Mr. Bluett, the secretary, mentioned that at the invitation of Professor Gunn, of the Pharmacological Department, they met and chatted over the matter at length. Mr. Gunn was very sympathetic and exceedingly courteous, and expressed his willingness to allow members the use of the laboratories over which he had control, and also to give free lectures on pharmacology and kindred subjects. Needless to say, the offer was highly appreciated. A distinct compliment has been paid to the organisers, and to the Society generally, by the secretary of the Port Elizabeth Society, who wrote stating that it was their intention in future to conduct their business on similar lines to those followed by the Cape Town Association. The feeling is pretty general that it would be of advantage to the employés if salaries were paid weekly instead of monthly, as obtains at present. The great increase in the membership of the Association is gratifying, and indicates that chemists' employés in the Peninsula have at last found a medium for smoothing over whatever difficulties may arise, and bringing about more amicable relations between employers and their respective staffs.

Natal.

"NATALITE" is the name given to the power alcohol obtained chiefly by distillation of the crushed sugar-cane after the extraction of the sugar. It has been on the market as a motor fuel since the spring of 1918, when it rescued the motorists of Natal from a petrol famine. What makes "Natalite" especially interesting is the fact that it has behind it to-day the accumulated experience of two years' practical use. Improvements have been made which, if they have not yet resulted in the perfect substitute for petrol, certainly point the way to the production of an efficient motor fuel on a very large scale at a price which certainly ought to be considerably lower than the price of petrol. The greatest concern of the industry has been the discovery of a powerful dena-

turant that is both cheap and in good supply, but it is stated that this has now been discovered. It is of interest to note that considerable exports have been made to Great Britain, where the selling price is slightly lower than the "ring" price.

Orange Free State.

PERSONAL.—Mr. Alexander Cruickshank, chemist and druggist (Great Britain), Bloemfontein, who has been dangerously ill with enteric fever for nearly three months, is now making favourable progress towards recovery.

Transvaal.

WHAT IS A CHEMIST?—The "Johannesburg Star's" leading article recently stated that a correspondent had written complaining that a chemist to whom she had telephoned refused to convey a message to a third party relative to a dancing class, and that he justified refusal on the ground that dancing had nothing to do with his business. "I could understand a butcher or a baker speaking in that way," she added, "but that a chemist, whom we look upon more or less as a public servant, should do so surprises me." The article goes on to state that "there is a general impression that when you are in doubt about anything under the sun, the best thing to do is to inquire of the chemist. The more thoughtful will, we think, agree that chemists do quite enough for the public without conceding the right to use their private telephone as a public exchange."

THE PHARMACY BILL.—A Pretoria correspondent writes that "it is time the Union Pharmacy Bill was passed, and so level up all the provincial pharmaceutical examinations. Ten years have passed since the Union was formed, and yet a chemist qualified in one province cannot legally practise as a registered chemist in any of the remaining three provinces. Is this union? No! It is time the Bill, which has been pigeon-holed the last two or three years, was pulled out, dusted, and placed on the table of the House either for acceptance or rejection. The numerous chemists who are placed in illegal positions to-day will then be righted or will know what to do in the future. I appeal to one and all to write to their Parliamentary representatives urging them to get the Bill put forward with the least possible delay."

Pharmaceutical Society of Cape Province.

A GENERAL meeting was held at the Society's headquarters, Cape Town, on May 20. There were present: Mr. T. J. Hughes, President (in the chair), Messrs. Asher, Faull, Roytowski, Ross, Olivier, Young, Hall, Corrigan, Gardner, Hill, Froembling, Hughes, Sowden, Cheetham, Clancy, Dowling, and J. Sloan (secretary). The minutes of the previous general meeting and special general meeting were read and passed. The chairman then stated the steps that had been taken to date with reference to company pharmacy, and gave an account of the interview with the Attorney-General. After discussion the meeting authorised the Council to instruct the Society's attorneys to institute the necessary proceedings to arrive at a legal decision on the matter. Mr. Asher proposed, and Mr. Dowling seconded, the following motion: "That in the opinion of chemists in the Cape Peninsula, the time has arrived when all retail establishments should close on Saturday afternoon at 1 P.M., and remain closed until Monday morning, provision to be made for the supply of urgent medicines, etc., in the various districts by chemist in rotation, guaranteeing a continuous service during closed hours." Messrs. Asher and Dowling, in speaking to the motion, strongly urged the necessity for some such arrangement. A spirited discussion followed, in which Messrs. Sowden, Hall, Hill, Roytowski, and Clancy took part. Ultimately an amendment by Mr. Sowden was carried, which negatived the original motion. The following new members were proposed and seconded: Messrs. J. Copeland (Wynberg), A. Viljoen (Middleburg), Fulle (Aliwal North), Donaldson (De Aar), and Clancy (Se Point). Mr. David Fryde was proposed as an associate member.

Colonial and Foreign News

FRENCH FINE CHEMICALS.—A Roumanian firm advertises in a daily paper that it has received a large consignment of French drugs, which include aspirin and veronal.

DR. JOSÉ VALLÉS Y RIBÓ.—The well-known editor of the "Estaurador Farmacéutico," has been elected a corresponding academician of the Royal Academy of Medicine and Surgery of Barcelona.

THE COLLECTION OF ERGOT.—The Hungarian Minister of Agriculture has issued a decree enforcing the collection of ergot during the forthcoming harvest, and the medical plant commission will purchase it at not less than 100 kr. a kilo, according to quality.

CZECHO-SLOVAK PHARMACOPOEIA.—Rapid progress is being made with the work of preparing the first national Czechoslovak Pharmacopoeia, and the commission meets weekly. It is probable that the work may be issued before the close of the year. (The Austrian Pharmacopoeia is the present adopted as the official standard.)

PHARMACISTS IN SWEDEN.—A general assembly of pharmacists in Sweden was held at Lund at the end of June, being, it is said, the first general meeting since 1917. The present year has been selected having regard to the circumstance that the reorganisation of the pharmacy system confronts the profession in the near future, and it is, therefore, considered to be of the greatest interest for the members jointly to discuss the leading lines for future development. The Stockholm section of the Assistants' Union has adopted a resolution expressing the opinion that the report of the Government Pharmacy Committee neither corresponds with appropriate reforms nor looks after the justified rights of the assistants, and urging that a thorough remodelling of the proposals made by the Committee is absolutely necessary.

DUTCH RESEARCH INSTITUTE.—By a royal decree an institute for Pharmacotherapeutic Study has been established in Holland, attached to the Ministry of Labour. In addition to undertaking any investigations on medicines, with which it may be entrusted by the Ministry of Labour, its duties will consist in keeping abreast of advances and inventions in medicinal agents which are contained in the Pharmacopoeia, both at home and abroad. The work of the institute will be carried out by a staff of six members, in addition to a number of honorary members nominated by the Crown. Dr. L. Van der Linde, professor of pharmacy, pharmaceutical chemistry, toxicology in the University of Leyden, has been appointed director of the new institute, while Prof. Dr. A. Huijmans Van Den Bergh, Prof. Dr. R. Magnus, C. W. Broers, Prof. P. Van Der Wielen, Dr. W. M. Van Leeuwen, and Dr. J. De Groot form the staff.

ARMED STRIKE AT MEISTER LUCIUS & BRÜNING'S.—On July 28, at about 9 A.M., several thousand men of the largest Dye Works collected before the administrative buildings and forcibly entered the directors' offices. They submitted a number of demands to the directors, and insisted upon the immediate settlement of their claims, which included a 25 per cent. increase in wages from 11, a forty-eight hours' week, and the management to pay the 10 per cent. tax which is deducted from the wages. When the directors referred the men to the usual method of negotiations, several of the workers, who were armed with knives and other weapons, attacked the directors, three of whom were seriously wounded. Under the weight of the pressure of the crowd, a part of the balustrade of the chief entrance gave way, burying several men, one of whom was killed and several injured. The directors were powerless, and, threatened by the crowds, were forced to grant the demands of the men. The local police force was quite inadequate to cope with the workers, while the French military authorities ignored the matter. It appears that the attack was organised by men who had only lately been engaged by the company,

which is now employing about 11,000 men, compared with 8,000 before the war. On July 30 peace was restored at the works. The movement has spread to all the chemical works in the Frankfort district, the men insisting upon the same demands as those made by the Höchst works, and negotiations are proceeding.

Legal Reports.

The Test Case.—The case of *Jenkin v. The Pharmaceutical Society of Great Britain*, which was to have come on in Mr. Justice Eve's court on July 28, was not reached, as a jury case which had occupied several days had not concluded. The hearing of the test case is now postponed until after the Long Vacation.

Dispensing Scheduled Poisons.—Mr. John Bower, chemist and druggist, Newnham-on-Severn, Gloucestershire, was summoned at Littledean Petty Sessions on July 30 for two alleged offences under the Pharmacy Act; the first with having sold poison to Dr. Thornhill, Newnham, without making the necessary entries in a poisons register, and the second with neglecting to obtain the signature of the purchaser to such a record. Mr. Pruen (Cheltenham) prosecuted, and Mr. G. Trevor Wellington (Gloucester) defended. Mr. Pruen stated that the case was the outcome of an inquest upon the body of Francis Blewett, Calver House, Newnham. Dr. Thornhill said he usually prepared his own prescriptions, but the prescription, produced, which was for Mr. Blewett, was made up by defendant in his presence. In this case defendant acted as his own dispenser, and witness would have been extremely surprised had he been asked to sign the book in such circumstances, the dispensing being on his own order and in his own presence. He described what he said was his and, he believed, the general practice of medical men in such a case. The quantity of poison was calculated on the finished mixture, and not from the component portions thereof. This prescription was both normal and usual, and such as was very commonly given to patients. Had the patient taken the whole of the bottle of medicine at once, so little poison was in it that fatal effects would certainly not have followed. Mr. George Embrey (Gloucester) gave the results of his analysis of the mixture. Mr. Trevor Wellington, addressing the magistrates, said he had the Chemists' Defence Association behind him, and was instructed to take the case to the House of Lords if necessary. If the contention of the prosecution was upheld, the work of a chemist would be impossible. Defendant, giving evidence, said the prescription was taken down from Dr. Thornhill's dictation. The percentage of poison put into the 8-oz. bottle was almost infinitesimal. He was constantly selling proprietary medicine which contained a larger percentage of poison than was put into this 8-oz. bottle of medicine. He certainly never contemplated that there was an obligation on him to enter such transactions. Cross-examined: He did not enter the transaction; it was an accident that he neglected to do so, though he would not admit that he was in default in not having done so. He could not recall that he told Superintendent Honeybone he was of the opinion that he was under no obligation to enter up such sales when carried out with a doctor. His practice was not to record transactions with medical men. He kept the counterfoils of panel prescriptions. Mr. W. A. G. Woodman, chemist, Gloucester, said the prescription in question was quite normal. Witness made up hundreds such, and submitted the figures which represented the calculation he had worked out on the strength of the prescription. Witness certainly should not have entered this transaction in the poisons-book. Cross-examined: He would have entered the transaction in the prescription-book only—not in the poison-book as well. That, Mr. Pruen observed, was the crux of the whole case. Witness said he could not say what the position was, seeing Mr. Bower did not enter it up even in the prescription-book. The Bench reserved their decision.

Bankruptcy Reports.

Re Lionel Maurice Bonas, lately trading in partnership at 18 Quadrant Road, Richmond, as the "Richmond Pure Drug Co." A sitting of the London Bankruptcy Court was held on August 3, before Mr. Registrar Hope, for the public examination of this debtor, who failed in May with total liabilities 27,488*l.* 4*s.* 9*d.* (unsecured, 23,424*l.* 18*s.*) and net assets valued at 92*l.* 4*s.* 9*d.* Questioned by Mr. W. P. Bowyer, Senior Official Receiver, the debtor stated that in November 1919, with the object of selling a hair-wash registered under the name of "Sperol," he and two other persons entered into partnership and started business as above. Debtor paid practically all the expenses in connection with the undertaking; it was not a success, and was closed down in March 1920, at a loss to him of 1,000*l.* In addition, he was owing 250*l.* for advertising and printing in connection with the business. The partners manufactured the hair-wash, and they sold only one dozen bottles in all. Further replying to the Official Receiver, debtor said his failure was chiefly due to extravagance and betting losses. During the past three years his household and personal expenses amounted to 8,791*l.*, he had lost 6,000*l.* by betting on horse-races, and a similar amount by gambling at cards. A further sum of 6,500*l.* had been paid for interest on loans during the same period. The examination was concluded.

Re John De Lysle, 47-8 Berners Street, Oxford Street, London, W.—Under a receiving order made against this debtor the first meeting of creditors was held on July 29 at the London Bankruptcy Court, before Mr. W. P. Bowyer, Official Receiver. The debtor was neither present nor represented, and is believed to have departed for Paris by way of aeroplane. Having dealt with proofs of debt amounting to 2,500*l.*, the chairman reported that the debtor attended at the department when the receiving order was made, and stated that he was born in Tasmania in 1888, and that he served during the war as a private in the Australian infantry until November 1918, when he was demobilised. Since then he had traded as a manufacturer of chemical perfumes and toilet requisites, and had acted as promoter, director, vendor, or otherwise of a number of companies, including the Lysle Distributing Agency, Ltd., Lysle Export and Import Co., Ltd., Lylco, Ltd., and De Lysle Motor Co. He roughly estimated his liabilities at 5,000*l.*, and did not admit insolvency for the reason that he had plenty of assets, including shares in the various companies, but could not turn them into cash at a moment's notice. Mr. W. T. Flower stated that he was the secretary of the Lysle Export and Import Co., Ltd., and was a creditor on the estate. He also represented a number of ex-Service officers who had advanced about 4,000*l.* to the debtor in response to an advertisement offering in return for the advances shares and posts such as manager, secretary, salesman, and accountant in the De Lysle Motor Co. The chairman invited those creditors to supply him with full particulars of their claims, in order that he might question the debtor regarding them, if and when he attended at the Court for the public examination. He could not, he added, take everything he read in the newspapers for Gospel truth, but from reports that had appeared in the Press it looked as though the debtor might not immediately be available for public examination. A resolution was passed for Mr. F. P. Salaman, C.A., to act as trustee and administer the estate in bankruptcy.

Re William Migge (trading as the Leciform Co.), 10 Eastcheap, London, E.C., proprietary-medicine vendor.—An application for an order of discharge was made at the London Bankruptcy Court on July 30 by this bankrupt, who failed in September 1912. Mr. F. T. Garton, Official Receiver, reported that the estate had realised 104*l.* 3*s.* 1*d.*, out of which a dividend of 4*d.* in the £ had been paid on provable claims aggregating 6,136*l.* 3*s.* The applicant, a German who had not been naturalised in this country, came here in June 1890, and was employed in the trade. In August 1907 he entered into a contract

with a German company engaged in the manufacture of a brain and nerve food called "Antineurasthin," under which he was granted the sole right to sell the preparation in Great Britain, Ireland, and the British Colonies. He subsequently dealt in the preparation under the style of the Antineurasthin Co., and also had an option to acquire the right to sell on the Continent, but only exercised it as regarded Holland, where he had an agent from October 1903 till March 1909. In July 1909 the bankrupt sold the business in Great Britain and Ireland to the Antineurasthin Co., Ltd., of which he became the managing director, but which had practically done no business since April 1910. The consideration for the sale was 9,998*l.*, payable in shares, and the taking over of the liabilities of the business; the bankrupt also agreed to provide the company with office accommodation and a staff, and to pay its expenses other than advertisements, postages, and stamp duties, in consideration of receiving an annual sum of 2,000*l.*, reduced in October 1909 to 1,000*l.* No dividend was paid by the company. Then in April and June 1909 respectively the bankrupt entered into contracts with the German manufacturers of a beauty powder styled "Pulchrit," and an ointment called "Samol," under which contracts he was granted the sole right to sell the preparations in Great Britain, Ireland, the British Colonies, and Holland. He also dealt in this preparation under the style of the Selecta Manufacturing Co. From August 1909 to April 1910 the bankrupt carried on an advertising agency under the style of the Botolph Advertising Agency, with a view of obtaining commissions on the advertising of the preparations in which he dealt. Early in 1911 the bankrupt acquired from the German manufacturers the sole right to sell a nerve and brain food called "Leciform" in Great Britain and the Colonies, and he dealt in that preparation under the style of the Leciform Co. He attributed his failure to loss on trading due largely to heavy advertising expenses, to his household and personal expenditure, and to the sale of "Antineurasthin" in Australia having been ruined in 1910 in consequence of the German manufacturers having supplied the preparation in an unfit state. As offences the Official Receiver reported (1) insufficiency of assets to equal 10s in the £ on the amount of the unsecured liabilities; (2) omission to keep proper books of account; (3) trading with knowledge of insolvency; (4) contracting a debt provable in bankruptcy without having any reasonable or probable ground of expectation of being able to pay the same; (5) contributing to the bankruptcy by unjustifiable extravagance in living; and (6) a previous arrangement with creditors. After hearing Mr. Tindale Davis in support of the application, his Honour refused to grant the discharge subject to a judgment, and suspended the order for three years.

Gazette.

Partnerships Dissolved.

WALPOLE, G. S., and BRUMWELL, W., 121 Victoria Street, Westminster, S.W., consulting chemists and engineers; MONICKENDAM, F. C., and REELY, T. W., 39 Great Tower Street, London, soap merchants, under the style of the Trinity Soap Co.

ROTH, V. A., TAYLOR, H. C., and ATKINSON, J., 38 Corn Exchange, Fennel Street, Manchester, chemical manufacturers and merchants, under the style of Taylor, Roth & Atkinson, so far as concerned V. A. Roth.

THE West Bromwich science and technical school is being reorganised.

RESERVES NOT REACHED.—A shop (with house) Regent Road, Great Yarmouth, in the occupation of Mr. F. E. Whitfield, chemist and druggist, was on July 29 offered under the hammer; as the bids did not reach the reserve, the property was withdrawn.—Premises occupied by Mr. D. A. Davies, chemist and druggist, Newport (Pem.), were recently offered for sale at auction but were withdrawn at 475*l.*

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SHERWOOD CHEMICAL CO., LTD. (P.C.).—Capital, 5,000*l.*
Objects: To carry on the business as indicated by the title. Solicitor: W. B. Smith, 29 Pelham Road, Nottingham.

GREENWOOD'S STORES, LTD. (P.C.).—Capital, 1,000*l.*
Objects: To carry on the business, among others, of chemists and druggists. R.O.: 7 Churton Street, Pimlico, London, S.W.

LONDON AND CONTINENTAL EXPORT CO., LTD. (P.C.).—Capital, 6,000*l.*
Objects: To carry on the business, among others, of chemists and druggists. R.O.: 140 Fenchurch Street, London, E.C.

CALEDONIA CHEMICAL CO., LTD. (P.C.).—Capital, 100*l.*
Objects: To carry on the business of chemists, manufacturers of and dealers in soap, tallow, paints, oils, etc. R.O.: 94 Hope Street, Glasgow.

J. H. SPENCE & CO., LTD. (P.C.).—Capital, 3,000*l.*
Objects: To take over the business of a surgical-appliance manufacturer and merchant carried on by J. H. Spence at Sheffield as "J. H. Spence & Co." R.O.: 60 West Street, Sheffield.

A. WARNER & SON, LTD. (P.C.).—Capital, 1,000*l.*
Objects: To carry on the business of manufacturers of and dealers in fertilisers, artificial and natural manures, chemical manufacturers, druggists, drysalters, etc. R.O.: 95 Cannon Street, London, E.C.

JAMES ROSS & CO. (LIMEWHARF), LTD. (P.C.).—Capital, 170,000*l.*
Objects: To take over the business carried on by James Ross & Co. at Limewharf Chemical Works, Falkirk. The first directors are: J. F. Sutherland and J. B. Tait. R.O.: Limewharf, Falkirk.

BROWN PRODUCTS CORPORATION.—Capital, \$100,000. Registered in New York on April 27, 1920, to manufacture and deal in oils, colours, drugs, and chemicals, etc. British address: Norfolk House, 7 Laurence Pountney Hill, London, E.C., where S. O. Levy is authorised to accept service.

C. O. M., LTD. (P.C.).—Capital, 20,000*l.*
Objects: To acquire and turn to account any invention relating to the production, treatment, application, distribution, and use of gasification of fuel and similar substances, and to carry on business as chemists, druggists, etc. R.O.: Chancery Lane, London, W.C.

LEWIS AND TOWERS, LTD. (P.C.).—Capital, 40,000*l.*
Objects: To carry on the business of manufacturers of and dealers in glass bottles and other glassware, stoppers, pottery, earthenware, china, terra-cotta and ceramic ware of all kinds, etc., and to adopt an agreement with A. C. Towers, C. E. Towers, and F. B. Towers, who are life directors. Solicitor: D. M. Bowie, 7 King Street, Cheshire, E.C.

INTERNATIONAL SPONGE IMPORTERS.—The directors have declared an interim dividend at the rate of 5 per cent. per annum upon the ordinary shares in respect of the half-year ended June 30.

MOND NICEL CO., LTD.—The report for the year ended April 30, 1920, states that there is a balance to the credit of profit and loss of 531,294*l.* The directors propose a dividend on the ordinary capital of 2*s. 6d.* per share, free of tax, in addition to the interim dividend of 1*s.* per share already paid, both free of tax, placing to income-tax 4,000*l.*, leaving to be carried forward 114,794*l.*

PEMBERTON, ANSELL & CO., LTD., chemical merchants, 2 Fleet Street, London, E.C.—A meeting of creditors was held on July 16 in London. The shareholders had previously passed a resolution in favour of voluntary liquidation and had appointed Mr. T. Davies, 69 Basinghall Street, E.C., to act as liquidator. The statement of affairs showed liabilities amounting to 4,908*l. 6s. 9d.*, of which 2,695*l. 14s. 11d.* was due to creditors for goods supplied, and the balance represented claims against the company for various amounts. The assets were estimated

to realise 2,159*l. 12s. 3d.*, from which had to be deducted 27*l.* for preferential claims, leaving net assets of 2,132*l. 12s. 3d.*, or a deficiency, subject to certain claims and the costs of the liquidation, of 2,775*l. 14s. 6d.* There were actions pending against the company in respect of breaches of contracts by four firms, whose claims aggregated 2,000*l.*, and in consequence of these actions voluntary liquidation took place.

APOLLINARIS AND JOHANNIS, LTD.—The report for the six years ended March 31, 1920, states that during the war the profits did not suffice to meet current expenditure, although the latter was reduced to its utmost limit, as the trade had to be confined to the liquidation of the pre-war stocks of the company's waters and to the sale of medicinal waters. The profits of the other portion of the six years were enough to wipe out the accumulated loss and to leave a credit balance of 26,056*l.* This sum is to be carried forward, in addition to 21,141*l.* brought into the accounts for the year 1913-14. During the first two years of the war 68,000*l.* was paid in debenture interest. An arrangement was then entered into with the debenture holders, as a result of which the payment of the debenture interest was suspended until October 1, 1922. The sum of 14,280*l.* has already been paid in interest on the debenture interest certificates. All advertisement expenses have been written off and provision has been made for depreciation. The Owens European Bottle Machine Co., of Toledo, Ohio, have made a further return of capital upon the shares held by the Apollinaris Co. amounting to 27,684*l.* The capital suspense account amounted in the preceding balance-sheet to 77,340*l.*, to which has been added the above 27,684*l.*, making together 105,024*l.* The general meeting was held on July 27 at the Holborn Restaurant, High Holborn, W.C. The Earl of Bessborough (chairman of the company) presided, and, in moving the adoption of the report and accounts, said that they were the first submitted for six years. He would divide the accounts into two distinctly separate periods—one of twelve months, during which the company was able to trade, and the other lasting five years, during which the company's business was restricted to liquidating the pre-war stocks of Apollinaris and Apenta water, and to doing a small trade in medicinal waters. The small profits made on the sale of the pre-war stocks were insufficient to cover expenses during so prolonged a period, in spite of the most rigid economy. On the other hand, during the twelve months the company was able to trade the profits were sufficiently large not only to wipe out the excess of expenditure over profits during the five years of war conditions and to pay 14,200*l.* in cash on the deferred debenture interest certificates, but even to leave over a net profit of 26,056*l.* The debenture interest had been paid during the first two years of the war, amounting to 68,000*l.*, after which interest was to be funded in certificates until October 1, 1922. These certificates, bearing interest at 6 per cent., were redeemable after the provision, by drawings at par, purchases in the open market below par, or by tender. They now amounted to 136,000*l.* No dividends could be paid or reserves accumulated until they had been redeemed. The arrears on the preference dividends amounted now to 357,000*l.* It was obvious that the necessity would arise when some scheme of capital reconstruction would have to be submitted, but he considered it desirable to wait until the position with regard to the prospects of the company was less obscure. Their business, which was a world-wide one, was absolutely dependent for its prosperity upon trading under normal conditions. The cost of raw materials, notably of coal for their bottle factory, was a terrific handicap at the present time, and an increase in the cost of coal by several pounds a ton was bound to affect their profits very adversely. Money would be required for an extensive advertising campaign to carry out the revival of the business at which they aimed, otherwise the outlook was very promising. With regard to the Apenta spring, the Soviet Government, which was in power last year, had not interfered with their properties, but had sequestered the company's liquid cash resources in Hungary. Mr. Francis J. Schilling (vice-chairman and managing director) seconded the motion, which was carried unanimously.

Proprietary Medicines Bill.

A Bill

INTITLED

An Act to regulate the manufacture and sale of certain medicines and surgical appliances, and for purposes connected therewith.

Be it enacted by the King's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows :

Control of Manufacture and Sale of Proprietary Medicines and Appliances.—1. (1) It shall not be lawful for any person to manufacture or prepare for sale any proprietary medicine or any proprietary surgical appliance unless—

(a) he is duly registered under this Act as the owner of the medicine or appliance, as the case may be, or is a person authorised by the registered owner to manufacture or prepare for sale the medicine or appliance on his behalf; and

(b) the medicine or appliance is a medicine or appliance duly registered under this Act; and

(c) in the case of a medicine, it is compounded of the ingredients and in the proportions specified in the register, or, in the case of an appliance, it corresponds with the specimen furnished under this Act to the registrar.

(2) It shall not be lawful for any person to sell, offer for sale, or have in his possession for sale, any proprietary medicine or proprietary surgical appliance which is not registered under this Act, or any proprietary medicine or proprietary surgical appliance registered under this Act unless it bears the number assigned to it in the register, or any proprietary medicine or proprietary surgical appliance which is manufactured elsewhere than in England or Wales unless the owner thereof or his representative is duly registered under this Act.

(3) If any person acts in contravention of this section he shall be guilty of an offence against this Act.

(4) This section shall come into operation on the expiration of six months from the date on which notice is given by the Minister in the "London Gazette" that applications for registration under this Act will be received.

Prohibition of Sale, etc., of Remedies for certain Diseases.—2. (1) After the expiration of six months from the commencement of this Act it shall not be lawful for any person to sell, or to offer or advertise for sale, any medicine or surgical appliance of any kind whatsoever purporting or stated directly or by implication to be effective for the prevention, cure, or relief of any of the diseases or infirmities mentioned in the Schedule to this Act.

If the Minister is of opinion that the provisions of this subsection should extend to any other disease or infirmity he may by regulations under this Act add the name of that disease or infirmity to the Schedule to this Act.

(2) No person shall publish or distribute, or be concerned in any manner in the publication or distribution of, any advertisement or communication relating to any article expressed in such terms as may, or are likely or calculated to, suggest that the article may be used or may operate as a means of producing an abortion or miscarriage.

(3) If any person acts in contravention of this section he shall be guilty of a misdemeanour.

Offences in Connection with Advertisements.—3. If any person—

(a) encloses with or in the parcel or wrapper containing a proprietary medicine or proprietary surgical appliance any written matter (not being an ordinary trade catalogue) advertising or recommending the use of some other proprietary medicine or proprietary surgical appliance; or

(b) being the registered owner or the vendor of any proprietary medicine or proprietary surgical appliance, or the agent of any such owner or vendor, solicits or invites, whether by advertisement or otherwise, any person suffering, or believing himself to be suffering, from any ailment to enter into correspondence with him, either directly or indirectly, with reference to the ailment, or by correspondence treats or offers to treat any person suffering or believing himself to be suffering from any ailment, or offers to give medicine to any person with reference to the cure, relief, or prevention of any ailment; or

(c) publishes or otherwise makes use of any fictitious, false, or misleading testimonials in relation to any proprietary medicine or proprietary surgical appliance; or

(d) publishes, whether in any advertisement or otherwise, a statement to the effect that a proprietary medicine or proprietary surgical appliance is recommended by a duly qualified medical practitioner without including in the statement correct and full particulars with respect to the name and qualifications and, in the case of a living person, the address of the medical practitioner; or

(e) publishes, whether in any advertisement or otherwise, a false statement to the effect that, or a statement calculated to induce any person to believe contrary to the fact that, a proprietary medicine or proprietary surgical appliance was discovered, invented or compounded by a medical practitioner;

he shall be guilty of an offence against this Act.

Register of Medicines and Appliances.—4. (1) For the purposes of this Act the Minister shall form and keep, subject to and in accordance with the provisions of this Act, a register of owners of proprietary medicines and owners of proprietary surgical appliances, and of proprietary medicines and appliances.

(2) The register shall consist of the following parts:

(a) A register of the persons registered as such owners as aforesaid;

(b) A register of proprietary medicines;

(c) A register of proprietary surgical appliances.

(3) The Minister shall appoint a proper person to be registrar for the purposes of this Act, and shall assign to him such duties in connection with this Act as he shall think fit.

(4) If the registrar or any other person without lawful authority publishes or communicates to any person any information which has, for the purpose of procuring the registration of any medicine under this Act, been furnished by any person with respect to the ingredients or composition of that medicine he shall be guilty of a misdemeanour.

Regulations.—5. (1) The Minister may make regulations for the following purposes:

(a) For regulating the formation and maintenance of the register;

(b) For regulating the manner in which applications for registration under this Act may be made, including the payment of such fees as may be prescribed, and for prescribing the conditions to be complied with by a person applying to be registered as the representative of the owner of any medicine or appliance;

(c) For prescribing the causes for which and the manner in which a registered owner may be removed from the register and the manner in which notice of such removal is to be given;

(d) For enabling particulars entered in the register with respect to any medicine or appliance to be varied or amended, and a new registration number to be issued in any case in which particulars are so varied or amended;

(e) For providing for any matter for which provision may be made by regulations under this Act and for prescribing any matter which is to be prescribed under this Act.

(2) Regulations under this section shall contain provisions—

(a) requiring the prescribed particulars of the name or description under which a proprietary medicine or proprietary surgical appliance is to be sold or offered or advertised for sale to be included in the register;

(b) requiring that a number shall be assigned to every medicine or appliance included in the register, and that every vessel or other package in which the medicine or appliance is sold or offered for sale shall bear the registered number;

(c) prohibiting the affixing to or insertion in any such vessel or package as aforesaid of any other reference to the fact that the medicine or appliance is registered under this Act;

(d) requiring every person registered as an owner under this Act, who is not himself the manufacturer of the medicine or appliance, to furnish in the prescribed manner the prescribed particulars with respect to the person by whom the medicine or appliance is manufactured;

(e) prohibiting the registration of any medicine unless and until full particulars of the ingredients of the medicine and the proportions in which those ingredients are used have been furnished to the registrar, including in the case of medicated wines or spirits particulars of the alcoholic strength thereof, and prohibiting the registration of any medicine or appliance until full particulars have been furnished to the registrar of the directions for use which are to be supplied with the medicine or appliance when sold;

(f) enabling the Minister, if he so thinks fit, to direct that the name and quantity of any poisonous or dangerous drug forming an ingredient of any registered medicine shall be stated in the prescribed manner on all vessels or other

ackages in which the medicine is sold or offered for sale;

(g) requiring every proprietary medicine containing more than such an amount of alcohol as ought in the opinion of the Minister properly to be contained therein, having regard to the purposes for which the medicine is to be used, to bear on the vessel or other package in which it is contained a statement in writing of the proportion of alcohol contained herein;

(h) prohibiting the registration of any surgical appliance unless and until a specimen thereof has been furnished to the registrar;

(i) prohibiting the affixing to or insertion on or in any vessel or package containing any proprietary medicine or proprietary surgical appliance of any statement declaring that the medicine or appliance possesses any therapeutic qualities other than such qualities as are specified in the register as being the therapeutic qualities of that medicine or appliance.

(3) If any person acts in contravention of or fails to comply with the provisions of any regulation made under his section, or furnishes any false or misleading particulars or the purpose of or in connection with an application made under any such regulation, he shall be guilty of an offence against this Act.

(4) Every regulation made under this Act shall be laid before each House of Parliament forthwith, and if an address is presented to His Majesty within twenty-one days on which that House has sat next after any such regulation is laid before it praying that the regulation may be annulled His Majesty in Council may annul the regulation, and it shall thenceforth be void, but without prejudice to the validity of anything previously done thereunder.

Removal from Register of Medicines and Appliances.—5. The Minister may, where it appears to him that any medicine or appliance which has been registered under this Act will or is likely if used in accordance with the directions or use issued therewith, or will or is likely for any other reason, to cause injury to health, direct that the medicine or appliance shall be removed from the register, and where the Minister gives any such direction he shall cause notice of his removal to be given in the "London Gazette," and in such other manner as he thinks fit.

Appeal against Removal from Register.—7. If any person being the registered owner of any medicine or appliance aggrieved by the removal of his name or of any medicine or appliance from the register he may within three months after the date on which notice of the removal has been given in accordance with the provisions of this Act appeal to the High Court against the removal in manner provided by rules of court, and on any such appeal the order of the Court shall be final and conclusive, and shall not be subject to any appeal to any other court.

Penalties.—8. If any person is guilty of any offence which is declared by this Act to be a misdemeanour he shall be liable on conviction therefor to imprisonment for a term not exceeding twelve months, or to a fine not exceeding one hundred pounds, or to both such imprisonment and fine, and if any person is guilty of any other offence against this Act he shall be liable on summary conviction for each offence to a fine not exceeding twenty pounds, and in the case of a continuing offence to a further fine not exceeding five pounds for each day during which the offence continues after conviction.

Saving for Sales on Medical Prescriptions and Sales of Existing Stocks.—9. Nothing in this Act shall operate to render unlawful—

(a) the sale of any medicine or appliance to or for the use of any person in accordance with a prescription given in the case of that person by a duly qualified medical or dental practitioner; or

(b) the sale of any medicine or appliance which is proved by the vendor to have been bought by him at any time before the twenty-fourth day of July, nineteen hundred and twenty.

Interpretation.—10. For the purposes of this Act—

The expression "medicine" includes any drug, preparation or compound of any description whatsoever to be used whether externally or internally for the prevention, cure, or relief of any malady, ailment, infirmity or disorder affecting human beings;

The expression "proprietary medicine" means any medicine which is held out by advertisement, label, or otherwise in writing, as efficacious for the prevention, cure, or relief of any malady, ailment, infirmity or disorder affecting human beings and—

(a) which is sold under a trade-name or trade-mark to the use of which any person has or claims or purports to have an exclusive right; or

(b) of which any person has or claims or purports to have the exclusive right of manufacture or for the making of which any person has or claims or purports to have any secret:

The expression "proprietary surgical appliance" means any instrument or contrivance of a medical or surgical nature which is recommended to the public by advertisement, label, or otherwise in writing, as of use for curative purposes and which is sold under a trade name or a trade-mark to the use of which any person has or claims or purports to have an exclusive right or for the making or selling of which any person has or claims or purports to have an exclusive right;

The expression "Minister" means the Minister of Health;

The expression "registered owner" or "person registered as an owner" includes a person registered as the representative of an owner.

Short Title and Extent.—11. (1) This Act may be cited as the Proprietary Medicines Act, 1920.

(2) This Act shall not apply to Scotland or Ireland.

SCHEDULE.

| | diseases | peculiar | to |
|--------------------------|----------|-----------------------|----|
| 1. Cancer. | | women. | |
| 2. Consumption. | | 8. Diabetes. | |
| 3. Lupus. | | 9. Paralysis. | |
| 4. Deafness. | | 10. Locomotor ataxy. | |
| 5. Fits. | | 11. Bright's disease. | |
| 6. Epilepsy. | | 12. Rupture. | |
| 7. Amenorrhoea and other | | | |

Second Reading in House of Lords.

Viscount Astor, Parliamentary Secretary of the Ministry of Health, moved the second reading of the Proprietary Medicines Bill in the House of Lords on July 29. He said: Last year the Lord Chancellor gave an undertaking on behalf of the Government that a Bill would be introduced dealing with patent medicines. This Bill is introduced in order to carry out that undertaking. It has been framed on the recommendations of the Select Committee, which sat for three years and reported in 1914. That Committee took a great deal of evidence, saw a large number of witnesses, put something like 14,000 questions to the various witnesses, and considered the whole problem very fully and impartially. The Committee's recommendations were in the nature of a compromise. They were not based upon either of the two conflicting views. This country is very much behind several of our dominions, as well as most other civilised countries, in its treatment of proprietary and patent medicines and surgical appliances. It does not give the same protection to the public as is given in most other countries. I can supply one illustration showing the way in which the public is victimised at present. The Select Committee quote the instance of a man who came with a certain instrument to this country and is reported to have made over 60,000/- by its sale. He went to France, and was there sentenced to three years' imprisonment, as well as heavily fined, for trying to sell the same instrument. The law here is unsatisfactory. There is a great deal of overlapping and duplication; it is doubtful on many points and it is inadequate; and certainly additional legislation is urgently necessary. Nor, at the present moment, is there any single Minister, or any single Department, which is responsible for protecting the public, or for seeing that the public does not suffer grievous injury. In the Bill before you we do not propose to protect the purse of the public. We are not going as far as that. A very good case might be made out for preventing profiteering and exploitation of the public, and it is possible amendments may be moved to strengthen the Bill in that direction; but as the Bill is drafted we do not do that. I will refer to a passage from the evidence quoted in the report of the Committee. There, I think, the medical officer of one of the most important cities of the kingdom reported that a remedy was being sold in his town for 2s. 9d., the ingredients of which only cost 1d. We are not attacking that particular evil. All we are trying to do is to protect the health and the life of the public.

Injury may be caused in one of two ways. Sufferers who purchase and attempt to use these appliances and medicines very often postpone going to a proper medical

practitioner while trying to treat themselves by the use of these patent medicines. The delay very often aggravates their ailment, sometimes very seriously. In other cases actual injury is caused by the purchase and use of the remedies. We propose to prohibit the advertisement and sale of remedies purporting to treat, cure, alleviate, or prevent diseases which are set out in the Schedule—cancer, consumption, diabetes, certain diseases peculiar to women, fits, epilepsy, deafness—because we know that serious risk is involved if sufferers try to treat themselves by using a patent drug while suffering from those particular diseases. They are serious complaints, and it is not in the public interest that people haunted by fear, and suffering, as they often are, from these complaints, should be encouraged to treat themselves by using these patent remedies. Too often these remedies merely touch a symptom of the disease. A case is quoted in the report where a particular medicine—Hall's Wine—is advertised. It is said that if two wine-glassfuls are taken that is a sufficient amount to cause sleep. It is recommended for children in these words: "For colds, coughs, and bronchial affections." It contains cocaine, or the elements of cocaine. Nobody could advocate the continuation of a law which allows, or encourages, people to purchase cocaine in order to make their children sleep when those children are suffering from a cough. It is essential that we should take powers to deal with these evils. In a limited number of cases not only is injury caused but death results.

PRODUCING ABORTION.

That is particularly brought about by the use of remedies intended to produce abortion. A considerable number of remedies are advertised as being suitable for female irregularities. I am told that, at best, these remedies are useless, and that too often the most serious consequences result from their use. It is impossible, I am told, to kill an unborn child without endangering the life of the mother. Some of these remedies are intended to give lead poisoning. It is quite true that you may kill the unborn child by this means, but too often they also kill the mother. Not only is it serious as regards the health of the people who try to avail themselves of these remedies, but we are informed by the Select Committee that very frequently it results in blackmail. A case is quoted of two men who had threatened to expose the purchasers of a particular remedy intended to cause abortion. The police intercepted 600 letters containing, I think, two guineas each from these unfortunate women who were paying this money under a threat of exposure. I believe, if this Bill did nothing else than prevent this reprehensible practice, we should be justified in trying to pass it, even when we are so congested with legislation. The Assistant Director of Public Prosecutions said that it was almost impossible to prove fraud and that practically the law was non-existent. You cannot expect the purchaser of a remedy intended to produce miscarriage to come forward, after having bought this remedy, and say: "I bought this remedy in order that I should be able to commit a crime. I have not been able to produce miscarriage. I have been defrauded." You have only to state the case to see how very difficult it must be to get the necessary evidence. I think it may interest your lordships if I quote the way in which this type of remedy is brought before the public. Here is a case where a bottle of mixture was sent with the intimation that the powerful and certain action of the medicine contained in the bottle necessitated the warning that the contents should not be taken by those expecting to be mothers, as the medicine was very liable to cause a miscarriage. That is the way in which these drugs are brought before the notice of a large number of unfortunate women who, too often in the past, have availed themselves of them.

In order to bring before your lordships the exact situation, I cannot do better than quote a brief paragraph from the report of the Select Committee, who state—

For all practical purposes British law is powerless to prevent any person from procuring any drug, or making any mixture, whether potent or without any therapeutic

activity whatever (so long as it does not contain a scheduled poison), advertising it in any decent terms as a cure for any disease or ailment, recommending it by bogus testimonials, and the invented opinions and facsimile signatures of fictitious physicians, and selling it under any name he chooses on the payment of a small stamp duty, for any price he can persuade a credulous public to pay.

That summarises very briefly the situation as it now is. In the Bill powers are taken to make a register on which every proprietary medicine and surgical appliance, and the owners thereof, shall be registered. We prohibit the sale of unregistered remedies. We take powers, subject to a right of appeal, to remove the owner of a proprietary medicine from the register, if his remedy is considered too dangerous to health. We also take powers to compel the owner of such a remedy to disclose its contents—the formula, the ingredients—to the Government, of course privately and in confidence. Heavy penalties will be imposed for non-disclosure. Further, we prohibit the advertising of remedies purporting to prevent, cure, or relieve the diseases which are set out in the schedule. Clause 5 states that the alcoholic contents of a patent medicine must be given on the label. We find that many of the medicated wines contain as much alcohol as some of the heaviest wines and twice as much as claret. The Committee referred to a particular medicine which was recommended for use at the time of confinement. On analysis that medicine was found to contain something like 60 per cent. of alcohol, and the rest was apparently pure water. This was recommended as assisting confinement and producing fine and healthy babies.

The Bill prohibits correspondence with the vendors, and the enclosure of literature with one remedy recommending the use of another remedy. We also prohibit the advertising of remedies suggesting that they are useful or can be used for procuring abortion. Clause 5 sets out that all regulations must be laid before Parliament. The Minister of Health is made responsible for the supervision of the matters dealt with, so that in future there will be one Department dealing with this subject, instead of a least four. I would also draw your attention to Clause 10, which is the clause defining a "proprietary medicine." You will see that it is necessary that the remedy should be (what I might call) "puffed," advertised, pushed, in writing, as being beneficial for human ailments, as being a curative agent, and that there must be a monopoly. That is to say, we exclude from the definition of a "proprietary medicine" those proprietary medicines which are not advertised, pushed, or puffed in writing as being remedies, or as having special therapeutic qualities. We propose to exclude, for instance, mixtures, the composition of which is known, which are made by well-known and reputable chemists, and which are not pushed for sale on the ground that they have any special therapeutic qualities. Nor shall we include, in the definition of a "proprietary medicine," any recognised drug or preparation for which no monopoly is claimed.

A NEW BUREAUCRACY.

I have seen it stated in a newspaper recently that under the Bill we contemplate the setting up of a new bureaucracy. So far as I know, and I think I can say this with confidence, we propose to appoint only one Officer-Registrar; and we anticipate that his salary will be made out of the fees charged to owners and vendors and proprietors of patent medicines. Therefore I do not think that opposition to the Bill can be raised on that ground. I have been told that the Press are going to oppose the passing of this Bill. I am perfectly well aware that the Press derive a large revenue from the advertising of patent medicines and surgical appliances. The Committee estimate that something like 2,000,000 is spent annual upon advertising these remedies and appliances in the Press. But I have too high an opinion of the Press as a whole to believe that they will attempt to stop the passing of this Bill. We do not propose to prohibit all advertising; we do not propose to deal with that to which just now referred as profiteering. But I believe your lordships will agree with me that the Press, as well as the State, have a duty and an obligation to prevent fraud and danger to life and health by the pushing of some of these remedies. I have described. I am confident that

Government will get the support of the majority of Press—of the reputable section of the Press—in their endeavour to deal with this problem. At the present moment we are powerless to deal with it. We shall not interfere with legitimate or with harmless business. It is not possible for any impartial person to read the recommendations of the Committee which went into this problem so carefully, without agreeing that the need for legislation is urgent. If, by any chance, serious opposition should manifest itself, I feel certain that I shall be able to appeal with confidence to your lordships to support the Government.

RUSHING THE BILL.

Lord Askwith said: The importance of the industry as a whole has not been quite brought out. Its importance can be judged by the fact that last year more than £10,000,000 was paid in stamp duty to the Inland Revenue. I understand that there are about 10,000 retail pharmacists in the kingdom, apart from the bigger shops, with an enormous number of formulas for making these proprietary medicines. It is, therefore, a very important industry indeed. It employs a very large number of people; it produces a lot of articles, many of which are extremely useful to the community at large; and, although some deprecates the kind of remedies to which the noble Viscount alluded, yet there are other remedies which most every man, woman, and child in the country uses, and on, in the course of the year. I am sure that there is not anyone in this House who has not at times derived great advantage from taking a proprietary pill. This is so, it is important that the industry should have an opportunity of considering this Bill as affecting their interests.

The Bill has been printed only a few days, and I trust the noble Viscount will not put it down for Committee too early, so that an opportunity may be given to those concerned to have a look at it. In dealing with an industry of this kind we do not wish either to have any ban, such as the noble Viscount deprecated, of having a large number of extra officials, nor do we wish to hurt the industry in such a way as to impair its usefulness if such usefulness exists. Further, we do not wish to let it, or the allied industries connected with it, to suffer. I would point out that an industry like this relies on other industries, such as bottle-making, to assist it; it also has a great deal of advertising to do. I agree with the noble Viscount that regulation is necessary, but an opportunity should be afforded to those concerned to see that the Bill does not affect them unfairly.

THE EXTREME VIEW.

Lord Russell said the Bill should have been introduced earlier in the Session. He wished to put down an amendment which would have the effect of stating the ingredients clearly on the label. The best way to get rid of misstatements is to allow the actual composition of the medicine to be known. The ingredients when registered ought to be furnished to Parliament in the shape of a White Paper, so as to be available to the Press and everybody who wishes to see them. He doubted whether there was any such thing as a real secret. His view was that practically all these patent medicines are fraudulent pilfering of the public for private profit. The schedule should, he added, include venereal diseases.

AN UN-ENGLISH PROCEDURE.

Lord Emmott, in emphasising the necessity of giving adequate time to the Bill, said: I do not know whether one year is going to be enough without an army of experts. I fancy that the efficient carrying out of the scheme under this Bill will probably need another very considerable bureaucracy. I shall be very glad if I am right in regard to that matter. There is another point to which I am afraid I shall find myself in opposition to Lord Russell. I look at the matter rather the other way, and, if he will consider the case of manufacturers who have built up a large trade in a official or innocuous article, and possess it at the present time, whose trade would be absolutely destroyed if exhibition of formulas became the law of the land.

I think he will see that there is another side of the question which he has raised. At any rate, the provisions of the Bill for formula deposit (as I think it is called) appear to be likely to raise vehement opposition on the part of the manufacturers of many of these patent medicines. Their objection, of course, is not sufficient in itself to induce your lordships to adopt their view, but I do think it is a sufficient reason for asking for more time for the consideration of this measure. On the merits of that part of the question I should like to say that, on the face of it, it seems to me rather an un-English procedure to demand a full disclosure of ingredients, unless a very strong case can be made out for the necessity of doing so. The noble Earl opposite is advocating a measure which, in my opinion, would destroy the whole of the trade. The circumstances were, of course, very different, but I had to deal with this case when I was Director of the War Trade Department. It was necessary, with regard to many of these patent medicines and patent foods and other things, to know the general composition, at any rate, of them. But in that case the matter was compromised by demanding a disclosure of the composition so far as it consisted of articles whose export was prohibited, and in those circumstances we were able to avoid the necessity, which I very much desired to avoid, of full disclosure. The reason why I object to this, unless it can be proved to be absolutely essential, is that I do not like secrets of this kind being produced to public Departments, because it is such a temptation to officials in those Departments, if there are any unscrupulous people among them, to make money out of them. I think the argument is rather against even a formula deposit than in favour of the wider measure that the noble Earl opposite desires. In these circumstances I hope that we shall have an assurance from His Majesty's Government that the further proceedings upon the Bill will not be pushed in this period of the session.

ANALYSTS REQUIRED.

Lord Shandong pointed out the difficulty of enforcing the provisions of Clause 1 in cases where a proprietor of the patent medicine does not register the true proportions of the ingredients. How, he asked, is the investigation to be carried out to determine (1) whether the article sold is compounded of the ingredients, and (2) in the proportions specified? It is a very difficult task indeed, and any one who has read the report of the British Pharmaceutical Society (*sic*) will see that it is an extremely difficult operation to ascertain, at any rate, the proportions in which any of these drugs, and especially vegetable drugs, are used. If Sub-section (3) is to be operative at all it is absolutely necessary that there shall be a Department, or staff, or other means, of continually keeping watch for evasions of the Act. The noble lord said that all that would be provided would be a Registrar, and that would be quite simple. But obviously the Registrar could scarcely keep any control over this particular matter.

With regard to the part of the Bill dealing with medicines purporting to cure certain diseases, I do not imagine that there will be a dissentient voice in this House in reference to those proprietary medicines, most of which are not worth very much at all. But if there is to be a check of any kind whatsoever upon this registration, then there must be analysis, and when the analysis is made, if it is found, after a good deal of trouble, that the article does not correspond with the register, what is to be done? I suppose there will be a prosecution. If there is to be a prosecution, the contents of this valuable register will have to be disclosed. I can see for myself that a person who might have a desire to injure the owner of one of these fancy preparations, might set proceedings in motion. I do not know whether the common informer would be entitled to move or not, and that is a matter that will have to be considered. But whoever might move, action might involve the disclosure which the Bill seems to desire to prevent.

DEAFNESS INSTRUMENTS PROHIBITED.

Viscount Knutsford asked the noble Viscount who brought the Bill in to consider this one point, if he will.

Clause 1 of the Bill provides that a man may not make or sell any surgical appliance unless the appliance is registered. That one can quite understand. But in Clause 2 it is provided that he may not advertise any surgical appliance as curative or as relieving certain illnesses, whether registered or not, so I read it. One of the infirmities, one will call it, that may not be advertised as being relieved by any surgical appliance, is deafness. I am deaf, and I throw away what I think Lord Beaconsfield called my "natural advantages" in not hearing speeches, by using a machine. It seems to me to be rather unfair that a man who has invented a machine which helps deaf people and, therefore, relieves their deafness, should not in any circumstances, registered or not, be allowed to advertise that machine. That is how the Bill reads to me; I think it must be a slip on the part of the draftsmen. I do not want an article to be advertised to cure deafness, because I have been to everybody who thinks he can cure deafness, and I know that nobody can. I have suffered from the quacks as much as most people. But I think a man who invents a machine to help one to hear, and in that way relieves deafness, or the man who invents a good truss, ought to be allowed to advertise it and not be prohibited from advertising, whether he registers or not. As I read the Bill he cannot do that.

PROHIBITION OF TRUSSES.

Lord Riddell said copies of the bill were not obtainable until July 27, so that persons whose businesses are involved have not yet been able to ascertain exactly what are the provisions of the measure. I have every sympathy with the proposal to regulate this trade, but this particular scheme requires a good deal of scrutiny. I agree with the noble lord who spoke just now that an army of officials will be necessary in order to examine and report upon these various patent medicines and appliances. Unless some adequate measures are taken in that respect, this Bill is likely to do more harm than good, and it will engender among the public a belief in the efficacy of these measures which, at the present time, they do not possess. I see from the report of the Committee that the investigation of the contents of one patent medicine alone proved to be a very heavy task, involving 1,607 questions to the proprietors, several chemical analyses, and, generally speaking, a sort of legal inquisition for the purpose of ascertaining exactly of what this remedy was compounded. I assume that if the Ministry of Health takes upon itself the task of registering and examining the various remedies, it will be the duty of that Department to see that the remedies are according to prescription, and that the various appliances are fairly well suited to the purposes for which they are intended. I see that the Bill gives the Minister power to make a regulation providing that no surgical appliance shall be registered unless and until a specimen thereof has been furnished to the registry. That opens up a very serious vista, because, as I read the Bill, every false leg, every set of teeth which is sold under a trademark, every ear-trumpet, every truss, and the hundred and one other surgical appliances will require to be investigated and registered by the Ministry. The noble Viscount, Lord Knutsford, just now referred to deafness, and there is no doubt that his construction of Clause 2 is accurate. That clause provides that no remedy or appliance may be advertised with a statement which implies that it is effective for the prevention, cure, or relief of any of the diseases or infirmities mentioned in the schedule. One of those infirmities is rupture. I agree with the noble Viscount that there is really no reason why the maker of trusses should not advertise them, and say that they are calculated to relieve rupture. It seems to be a most unreasonable thing to provide that advertisements of that sort shall not be permitted.

Reference has been made to the question of venereal disease. The law in regard to that question shows the danger of passing a measure of this sort hurriedly and without due care as to what the effect of the legislation is likely to be. There is already on the Statute Book a provision that no advertisement shall be published regarding remedies for venereal disease. At the present time a

large section of the doctors, including many of the best known medical men in the country, are interested in what they call "prophylaxis," or early treatment. They are of opinion that the existing law prevents them from giving advice on the subject publicly, and I saw the other day that they held a meeting at which they said that they intended to give advice, although undoubtedly they were committing a legal offence. At the present time they are endeavouring to get the law remedied. It shows the importance of taking great care when dealing with a matter of this kind, and I appeal to the noble Viscount to allow the consideration of this Bill to stand over until the trade has had an opportunity of ascertaining what its provisions.

Lord Cowley said the Bill is long overdue, and that the Report of the Select Committee on Patent Medicine did not receive the notice it deserved from the Press because the Press is interested in advertisements of patent medicines.

Viscount Astor hoped their lordships would facilitate the passage of the Bill so that it would be available for consideration in another place when the House meets next autumn. He did not think it would be necessary to analyse every bottle to see that it contains what it professes to.

The Bill was then read a second time. The Committee stage was put down for Wednesday, but was not reached.

Amendments in Committee.

Lord Emmott has given notice of amendments to be moved in Committee which would have the effect of modifying some of the most objectionable features of the Bill. Clause 1 (1) (c), he proposes, should be modified as follows (the italics indicating the alteration):

in the case of a medicine in respect of which a statutory declaration has been furnished to the Registrar, it is compounded in accordance with the declaration, or, in the case of an appliance, corresponds with the specimen furnished under this Act to the registrar.

Lord Emmott will move the omission of Clause 5 (a) which forbids the insertion of any written matter referring to another proprietary medicine in a package containing a proprietary article. Clause 3 (d) he proposes to modify as follows:

publishes whether in any advertisement or otherwise a full statement to the effect that a proprietary medicine or proprietary surgical appliance is recommended by a duly qualified medical practitioner (rest of Clause omitted).

Clause 5 (e) to be amended as follows:

prohibiting the registration of any medicine unless and until there has been furnished to the registrar a statutory declaration:

(i.) that the medicine does not contain any article mentioned in the schedule to the Poisons and Pharmacy Act 1908 (as originally enacted or as amended in the manner provided by section two of the Pharmacy Act 1908); or

(ii.) specifying the article or articles mentioned in the same schedule which are contained in the medicine and the proportions in which they are used; and, in the case of medicines compounded with spirits or wine, giving particulars of the alcohol strength . . . (remainder of clause as in Bill).

Lord Askwith has given notice of amendments which will have the effect of removing the prohibition on the sale of apparatus for assisting the hearing or for rupture. In Clause 5 (1) (f) he proposes to substitute the word "article mentioned in the schedule to the Poisons and Pharmacy Act, 1908," for "poisonous and dangerous drug." The declaration of the amount of alcohol in 5 (1) (g) is to be dependent on excess being used over that required for solvent or preservative purposes. The Lordship also proposes modifications of Clause 6 and the omission of Clause 7.

Lord Shandon, Lord Bledisloe, and Earl Russell have also given notice of amendments, the last named desiring the formula to be printed upon the wrapper of each proprietary medicine. Government amendments are also to be moved in Committee dealing with the manner of keeping the register.

Press Opinions.

Grandmother Again.—The Patent Medicines Bill, which was discussed in the House of Lords last night, is about as stupid a piece of grandmotherly legislation as was ever presented to Parliament—if, indeed, it is not worse than this—a sheer attempt on the part of the narrowest-minded and most selfish members of the medical profession to prevent anyone but themselves doing any thing to cure human ills.

An Outrage on Liberty.—Whether it is inspired by the grandmothers of the Ministry of Health or by certain general practitioners who are afraid of competition, the Bill is such a gross outrage upon public liberty as no free-people ought to tolerate. After six months from the passing of the Act nobody except a "qualified" medical practitioner may sell or advertise any surgical appliances or medicines of any kind whatever purporting to cure or relieve any of the diseases or ailments mentioned in the schedule. . . . Our people must indeed have sunk into slavery if they will tamely accept a measure of this kind.—"Glasgow Daily Record."

If the Bill passes into law—and of this there is little doubt—presumably many patent-medicine purveyors will be compelled to cease their activities. A perusal of the text of the Bill leaves the impression that this trade will pass under such legal control as to render its fraudulent pursuance impossible. What may also be assumed is that the Chancellor of the Exchequer will lose some revenue resulting from the fall in the patent medicine stamp duty. Moreover, many newspaper proprietors will be provided with the opportunity of filling their advertisement columns with more reputable announcements than those from which they have hitherto been accustomed to profit.—"Medical Press."

Earthquakes for Pills.—A Patent Medicines Bill, fathered by the Government, founded on the report of the House of Commons Select Committee, begins its career rather furtively in the House of Lords. The murky dignity of that august assembly should not be allowed to darken counsel in this matter, for the text of the Bill, now issued, reeks of bureaucratic tyranny. . . . Under this Bill, however, we are threatened with still another bureaucracy as a special department of the Ministry of Health, and the new bureaucrats are to exercise absurdly wide powers. A schedule of diseases—to which the Minister of Health may add at will—is entirely barred to patent medicines. . . . The provisions against the disclosure of "secret" formulae, now to be furnished as a condition of registration, offer no redress to the person thus injured. Such provisions stultify this Bill. It may satisfy the Medical Association and gratify the Ministry of Health. It threatens the public with new invasions of liberty under the pretext of coddling. It needs drastic amendment.—"Daily Express."

A Bad Little Bill.—An example of drastic and dangerous restriction is provided in the Proprietary Medicines Bill, a legislative child of the Health Ministry, which is down for second reading in the House of Lords to-morrow. . . . Among the diseases for which persons without the means of adopting expensive treatment will be unable to get even temporary relief at a chemist's shop are cancer, consumption, lupus, epilepsy, diabetes, Bright's disease, rupture, and paralysis. Moreover, the Minister of Health is to have unlimited power to add the name of any other disease to the schedule: and Clause 5 proposes to make it illegal for the registered owner of a proprietary medicine or surgical appliance to enter into correspondence with any person suffering from any ailment. We are fully aware of the undesirability of many "cure-all" medicines and of the need for adequate safeguards. But this sweeping proposal of Dr. Addison's includes without distinction the good and the bad within its net, strikes at the reasonable liberty of producer and vendor, and very seriously threatens the comfort and convenience of a large section of the public. It will have to undergo radical revision before it is placed on the Statute Book.—"Daily News."

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

SHOPS (EARLY CLOSING) (No. 2) BILL.

This Bill (C. & D. July 31, p. 50) was read a second time on July 30, the discussion centring mainly round the restriction on the sale of chocolates in theatres.

RAT DESTRUCTION.

Sir A. Boscowen, on July 28, said that since the Ministry of Agriculture assumed responsibility for supervising the measures for the destruction of rats, every effort has been made to instruct local authorities as to their duties under the Rats and Mice (Destruction) Act, and by personal instruction by their officers, and the issue of pamphlets and notices to the Press, to call attention to the waste of food and damage to property caused by rats. As a result, there has been a considerable reduction in the number of rats in certain parts of the country where effective measures have been taken, and it is to be hoped that such counties which have not as yet taken steps to organise schemes of rat destruction will shortly do so.

OVERSEAS TRADE DEPARTMENT.

Mr. Kellaway, on July 28, stated in the House of Commons that the present number of staff employed in the Department of Overseas Trade is 615. The offices of the Department are in Queen Anne's Gate Buildings, Old Queen Street, S.W. The City branch of the Department is housed at 73 Basinghall Street, E.C., and the Foreign Samples Section is accommodated in an adjoining building in the Guildhall Court Yard. The estimated cost of the Department for the current year is 163,262/. The estimated amount for last year was 114,373/. The difference is due to an increase in the number of the headquarters staff, to increased war bonus, and to larger provision for commercial investigations abroad and purchase of foreign samples.

SILVER LEAF DISEASE.

Sir A. Boscowen, on July 29, in reply to a question in the House of Commons, stated that during the past ten years silver leaf disease has spread considerably in this country. With a view to eradicating the disease a Statutory Order, known as the Silver Leaf Order of 1919, was issued by the Ministry in November last requiring the occupier of premises on which plum trees are growing to cut off and burn all the dead wood of each plum tree before April 1 of each year, and to grub up the trees in which the dead wood in the trunk extends to the ground. The Order authorises an inspector at any time to serve a notice requiring an occupier to destroy any dead wood of any tree or bush on which the spores of the disease are visible and to enter any premises for the purpose of enforcing the Order.

DANGEROUS DRUGS BILL.

The third reading of this Bill was taken in the House of Commons on July 30. Lieut.-Commander Keaworthy referred to the trade in opium from India to China which went on indirectly through Japan. The Japanese are sending into China eighteen tons of morphia annually. Sir J. Baird replied that the Bill only deals with the state of affairs in this country. Mr. Stewart drew attention to the quantity of morphia which is exported from this country to the Far East. An immense amount of morphia is manufactured in this country, and most of it in Edinburgh. It goes out to Japan in large quantities. The Home Secretary should find out what is the amount of morphia made in this country, because it is pure hypocrisy to prevent the opium trade, and then allow chemists and others to make morphia in large quantities. Formerly, the opium-smoker did not take the opium into his house, but now that is done, and it is used for subcutaneous injections. It is more obtainable by women than it used to be. He trusted that strong control will be exercised over the manufacture and export of morphia from this country. Dr. Murray was sorry to hear that the capital of his native country, Edinburgh, was engaged in this traffic. The Bill was read a third time and passed.

Births.

BOOT.—At Alban Lodge, The Park, Nottingham, on July 31, the wife of John Boot, of a daughter.

CHEETHAM.—At "Burwood," Mowbray, Capetown, on May 26, the wife of R. S. Cheetham (Lennon, Ltd.), of a son.

THOMAS.—At 57 Old Town, Clapham, London, S.W. 4, on July 25, the wife of Alfred Thomas, F.C.S., Ph.C., of a daughter.

Marriages.

ANDREW—HILDITCH.—At Sydenham Wesleyan Church, on July 28, by the Rev. Fred. J. Pope, Cyril Pentreath, only son of Mr. C. W. Andrew, Ph.C., High Road, East Finchley, London, N. 2, to Florence Jessie, elder daughter of Mr. T. Hilditch, Sydenham.

CHEETHAM—TICKLER.—At the Parish Church, Withern, on July 29, Cecil Lindsey Cheetham, chemist and druggist, Louth, to Mabel, only daughter of the late Mr. Fred Tickler, Withern.

MACMANUS—MORGAN.—At Kingstown, Co. Dublin, on August 3, George L. H. MacManus, eldest son of Mr. George H. C. MacManus (representing Southall Bros. & Barclay, Ltd., Birmingham), Springfield House, Glenageary, Kingstown, to Hilda May Morgan.

MUNT—PEPPER.—At Crowland Abbey, on August 2, James Bevans Munt, chemist and druggist, to Miss Drusilla Pepper. Present address: 75A High Street, Walthamstow.

REDMAYNE—RIDLEY.—At St. Luke's Church, West Norwood, London, S.E. 27, on July 29, W. Arnold Crosby Redmayne, only son of Mr. H. W. Redmayne, Eastbourne, to Rosalind, second daughter of Mr. Thomas Ridley, chemist and druggist, Mayor of Carlisle.

WATERMAN—CLARKE.—At St. Paul's Church, Ealing, London, W., on July 28, by the Rev. A. H. Cooper, M.A. William Waterman, chemist and druggist, only son of Mr. Waterman, "Ravensdale," Fleet, Holbeach, to Lillian Maude, daughter of Mr. Felix Clarke, 57 Altenbury Avenue, Ealing.

Silver Wedding.

MARLAR—BUTCHER.—At the Parish Church, Clare, Suffolk, on August 5, 1895, John Frederick Marlar, chemist and druggist, Colchester, to Miss C. M. Butcher, Clare.

Deaths.

FREARSON.—At Upway, on July 25, Mr. Cyril Douglas Frearson, chemist and druggist. Mr. Frearson qualified in 1909.

REES.—At Rhiwfeinfa, Caersws, recently, Mr. Edward Rees, J.P., chemist and druggist, aged eighty-one. Mr. Rees served his apprenticeship to the late Mr. H. M. Pugh, chemist and druggist, Machynlleth, and after gaining experience as an assistant at Newtown and in Liverpool, returned to Machynlleth and opened in business on his own account in the sixties. He retired ten years ago, and went to reside with a son, Dr. E. Davies Rees, at Caersws. His other son is a medical practitioner at Pontypridd. Mr. Rees was appointed a Justice of the Peace in 1890. He was a prominent member of the board of guardians and other public bodies in Machynlleth, and was an office-bearer in the Wesleyan Methodist Church. The funeral took place at Machynlleth on July 31.

A POSTAL RECORD.—A postcard from Minsk, Poland, addressed: "The Makers of Glass Medical Syringes 'Record,' London," was correctly delivered by the Post Office to the General Surgical Co., Ltd., Farringdon Road, London, E.C. 1.

Trade Notes.

"DAK" RATLINE is a specially manufactured birdlime with a high tenacity such as is needed for detaining rats which come in contact with it. Dak ratlime is a speciality of Kay Bros., Ltd., Stockport.

"RUEBERWARE SALES."—In preparation for the winter demand for Reliance hot-water bottles, the Reliance Rubber Co., Ltd., 212-213 Upper Thames Street, London, E.C. 4, are circulating among chemists the autumn edition of "Rubberware Sales." From this publication many useful hints will be gleaned in the salesmanship of hot-water bottles and other rubber goods.

PACKED DRUGS.—Evans, Gadd & Co., Ltd., Bristol and Exeter, call attention to their facilities for the supply of packed drugs. Examples quoted are Epsom salts, Glauber's salt, bicarbonate of soda, and boracic acid, and samples we have inspected show that the packing is well carried out. The chemist's name and address are printed free on orders of 15s. or over, and arrangements are made to employ labels in the same style as the slip labels in use in the pharmacy. Those chemists who have no spare labour for packing drugs should obtain particulars of Messrs. Evans, Gadd & Co.'s offer.

CASTOL ADVERTISEMENT.—Our readers will have noticed the ingenious manner in which Thomas Kerfoot & Co., Ltd., Bardsley Vale, have developed the theme of their advertisement which is to appear on the front page of the "Daily Mail" on August 27. First, "Bobbie and Cissie" mention the intention; then these enterprising youngsters commence to sketch the design of the page, which in its completed form was shown in the company's advertisement in our last issue. There is no doubt that the announcement will attract attention and considerably enhance the sales by chemists of Castols. As Messrs. Kerfoot close for local holidays on August 21, orders for supplies should be placed well ahead to prevent disappointment.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

| | |
|-----------------------------|--------------------------------|
| D/307. Kai-chai perfumes | C/307. Bone shields and mounts |
| K/307. Kinosalve veterinary | for soothers (actual |
| prep. | makers). |
| Do/38. Epichlorhydrin | E/58. Geisha fluid |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

| | |
|--|---|
| Anhydrous ammonia, R/87 | Johnson's soothing syrup, Sh/157 |
| Arnfield's bismuth et salol, BB/77 and BB/97 | Lemon- and potato-peeling machines, N/97 |
| Bronzed and enamelled douche cans, Ha/17 | McKenzie's spray, M/97 |
| Buisson Frères' perfumes, L/207 | Malted sugar, S/306 |
| Camphenol, W/217 | Maypole soaps, P/147 |
| Chillie paste, B/87 | "Miol," K/133 |
| Cowline, R/57 | "Molevas," F/175 |
| Crème Rhea, S/137 | Moller's cod-liver oil, D/46 |
| Devatol, W/157 | Morrison's asthma cure, S/77 |
| "Diodine," BB/216 | Mulsified coconut oil, AH/215 |
| Empire nasal douche, Ho/217 | and W/125 |
| Everyman's safety haircutter, B/77 | Mustard, H/265 |
| Extract of cotton-seed, S/17 | Mykrol, E/194 |
| Famel's syrup, S/147 | Nuklorine tablets, M/306 |
| French-made perfume bottles, S/157 | Opal jars for packing toilet |
| Gardiner's rheumatic compound, S/217 | specialities, M/167 |
| Ginger-crushing machinery, St/157 | Parasquit spray, S/87 |
| Hansen's rennet tablets, S/127 | Parazone, S/87 |
| Hayman's balsam of horehound, S/217 | Pyxol, D/157 |
| Hind's honey and almond cream, W/187 | "Regyl," R/286 |
| Johnson's digestive tablets, S/227 | Reuter's pills, Sh/157 |
| | Robert Frères' essence of jasmin, W/217 |
| | Rubber stoppers for ammonia bottles, P/87 |
| | Sandwich boxes for picnics, D/246 |

Observations and Reflections.

By Xrayser II.

The Ministry of Health,

says "Lens" in "The New Statesman," "is seeking to function as a Ministry for Disease." Instead of following the New York model and making its Health Centres places from which health will radiate, it makes them places to which disease will gravitate. Its work is to be palliative rather than preventive; it attacks disease instead of propagating health; it provides treatment, not teaching; it is an association of doctors, not a school for the public in which they may learn how to do without doctors. This is no doubt an exaggeration of the truth; it is difficult to see how, where disease already abounds, health can be made to abound without first combating disease, and there is no reason why treatment and propaganda should not go hand in hand, as indeed they are meant to do in our scheme; but there is truth in the indictment nevertheless. Our new Department is certainly a

Ministry for Doctors,

as we see in the Proprietary Medicines Bill introduced under its auspices and already read a second time in the House of Lords. Your leader of last week says all I had meant to say of this measure. It is not aimed at fraudulent "patents," for it makes no distinction between the good and the bad, but prohibits all alike; virtually it restricts the treatment of the diseases within its scope (which may be enlarged at the pleasure of the Minister) to qualified medical men. The simplest remedy for simple disorders—a cough mixture or a truss—may, if it is enacted, be construed as a breach of the law; we may not relieve epilepsy or ward off an attack by supplying bromides without a doctor's prescription, and several well-established and highly effective proprietaries with this intention will be suppressed. The Bill is, in short, a gross instance of class legislation and an intolerable interference both with our natural rights and with many vested interests.

More Serious than All This,

however, is the way in which this reactionary measure affects the general public and the progress of medicine itself. The public, denied a cheap and easy means of relief, will neglect their slighter-seeming ailments until they have assumed such proportions as may make relief and even cure difficult, and medicine will suffer greatly by being absolutely confined to an official, and therefore, in the nature of things, a conservative class of practitioners. Several of the best-known preparations of our Pharmacopœia are modifications or imitations of what were first regarded as quack remedies, and many of the great discoveries of medical science have been made by men who had no claim to the title of doctor of medicine. Not to mention such men as Paracelsus (who, whatever right he may have had to the title, was denounced throughout his life as a quack and virulently persecuted as such by the old school of doctors), we owe much to mere pharmacists like Scheele, much to others who were not even pharmacists—inoculation, for instance, to Lady Mary Wortley Montagu—and modern anaesthetics, most probably, to two dentists. And what do we not owe to Pasteur? Such discoveries as these, it may be said, will always be accepted by the profession, whosoever makes them. Will they? And will non-professional men be encouraged to make them when interference with the sacred ark of medicine is made a penal offence? Let Mr. Barker answer! Intolerant as doctors have always been, they will be tenfold more so when enjoying the monopoly of practice which this Bill foreshadows, and, if enacted, will go far to establish.

The Witchcraft Case

reported from Wales last week suggests a question which I believe Mr. Gilmour did not touch in his paper on pharmaceutical ethics. How should a chemist treat a customer who consults him upon some fancied ailment, real enough perhaps to himself, which he

attributes to some impossible cause, secretly indeed to witchcraft, though he may hesitate to say so? Such superstitions are still existent in many parts of rural England, and I have more than once been asked to treat people I will not say possessed, but certainly obsessed by the devil in some form or other in which they firmly believed. One case I remember vividly. The man was manifestly in bad health, but he could not "put his tongue to" his complaint, nor could the parish doctor who had been attending him. A communication of mine to a local paper on the subject of popular superstitions caused him to confide in me. He had been bewitched, and the worst of it was, by a person for whom he occasionally worked, and whom, therefore, he could not help speaking to when they met. I tried first to argue, then to laugh him out of the idea, but argument was vain and ridicule manifestly hurt him. There seemed nothing for it but to humour him and try what physic administered with a certain formality would do. A brisk cathartic, taken fasting, and, if I remember rightly, after repeating the Lord's Prayer, worked "like a charm." Was I right in lending so much colour to the man's delusion, and did I (this as an after-thought) render myself liable to prosecution for taking sixpence under false pretences?

Why do We Speak of Tablespoons?

I am flattered by having this "Question for Xrayser II." sent to me *à propos* of a line in a French poem, "*Que veut dire: culler à bouche?*" but surely the answer is plain enough; it is indeed sufficiently indicated in the note sent to me. Spoons are and always were of different kinds for different purposes: the word "spoon" originally meant no more than a chip of wood; it might be a roofing-shingle, or a part of a cross, or a domestic utensil of a certain shape that was called a spoon, the material of which it was made being commonly wood or horn (hence the proverb about making a spoon or spoiling a horn); and although the combination table-spoon appears rather late in English (in the Oxford English Dictionary instances of tea-spoon are earlier by some eighty years, the first quotation for the one being 1686, for the other 1763), the article was in use for centuries before it was specifically so named. In the "Book of Curtasye" (1400) mention is made of two "kerwyng knyfes" and "a spone," and the earliest known instance of the word's occurrence in this sense in English is in the phrase, "Knyf, saler and spon." These were certainly tablespoons of some kind. We must remember that such things as spoons and forks were luxuries even in Queen Elizabeth's days, as, in fact, were plates too. In Mr. Hubert Hall's "Society in the Elizabethan Age" there are many inventories of domestic articles, but "tablespoon" does not occur in any of them, though "trencher-spoon" does, as do also "trencher-plate" and "trencher-platter." We had several old trenchers in my old home as a child, and I have heard my mother say she (or her mother) remembered a time when among quite decent people it was customary to carry their trenchers with them when invited out to dinner. But these are hardly pharmaceuticals. I return to my "muttons" by noting that the second quotation for "tablespoon" (in order of time) in the Oxford English Dictionary is as a medicinal measure and is dated 1772. I have inadvertently omitted the fact that Harrison, writing about 1577, speaks of the change of "teeen platters" and "wooden spoons" into pewter plates and tin or silver spoons as one of the signs of the times.

OWING to the unsettled commercial conditions, Christopher Thomas & Brothers, Ltd., have decided to defer the building of a large works at Newton St. Loe.

PARLIAMENTARY HUMOUR.—During a discussion by a standing committee of the House of Commons, on July 23, regarding a clause in the Firearms Bill dealing with weapons for the discharge of "any noxious liquid, gas, or other similar thing," a member asked if the clause was not wide enough to include fire extinguishers. Another member suggested that a hypodermic syringe sometimes emitted a noxious liquid.

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FLUIDS, POWDERS, SOAPS & FUMIGATORS

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MEDICINAL CAPSULES

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TELEPHONE MAYFAIR 5015 (4 lines)

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They can offer from stock, at specially
advantageous terms, to keen buyers

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& SMALL NASAL DOUCHES.

Inquiries are solicited. 50 WIGMORE ST., LONDON, W. 1.

TELEGRAMS: CROYBELACO, WESDO, LONDON.

ART OF DISPENSING. (9th Ed.) 8/-, by post 8/6.

VETERINARY COUNTER PRACTICE. 6/-, by post 6/6.

CHEMIST'S DICTIONARY OF MEDICAL TERMS. 3/6, by post 3/10.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4.

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Instant
Success!



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Rutland Mills, Hulme, MANCHESTER

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ABSOLUTE ALCOHOL.

Jas. Burrough Ltd. D.1 Cale Distillery, Hutton Rd.
LAMBETH, S.E. 11.

Editorial Articles.

Proprietary Medicine Legislation.

It is a hopeful sign that the injustice of the Proprietary Medicines Bill has attracted the attention of several members of the House of Lords and that amendments designed to neutralise some of the un-English proposals contained in the Bill have been proposed by men of the standing of Lord Emmott and Lord Askwith. The insincerity of the promoters of the Bill is obvious from the speech of Viscount Astor, the Parliamentary Secretary of the Ministry of Health, who, speaking no doubt from a *dossier* prepared for him by some medical man on the staff of the Ministry of Health, trotted out such puerilities as the Macaura vibrator and the bare cost of the ingredients of a proprietary medicine as evidence of the urgent need for the Bill. Macaura claimed to have a medical degree granted by an American college; and Crippen the murderer was, we believe, an American medical man, but that is no reason why Englishmen should be judged by an American standard or that the deeds of the black sheep of the medical profession should be visited upon the makers of proprietary medicines. Attention was called to the injustice of prohibiting the sale of branded trusses, and in the case of appliances for the relief of the deaf it chanced that one of the members of the House of Lords uses a deafness appliance himself, and it did not take him long to see the selfishness of depriving deaf people of aids to hearing. We mentioned last week that a horde of medical men would be needed to carry on the new department at the Ministry of Health, the reason being that it will require persons with a trained knowledge of therapeutics to consider the claims for the “prevention, relief, or cure” which are made for proprietary medicines. As the number of proprietary medicines runs into many thousands, and as each article has its own labels, circulars, and other advertising matter, the work involved would be enormous and occupy many years. One of the noble lords points out that many analysts will also be needed to check the particulars supplied, so that between the lot there promises to be a costly department set up, the like of which has never been known before in peace time. No wonder Viscount Astor felt called upon to state that “only a Registrar”

would be needed to carry out the provisions of the Act, an apologetic statement which we do not think would hoodwink the House. The suggestion was also made that the Press did not make known the recommendations of the Select Committee on Patent Medicines because it was against the interests of newspaper proprietors. This is an insulting suggestion generally brought against the Press by people with a bad case. So far as THE CHEMIST AND DRUGGIST is concerned, full reports were published of every public sitting of the Select Committee, so that the evidence was brought to the notice of the persons particularly interested within a few hours of each sitting. The recommendations of the Committee were also given in full in 1914 at a time when the world had other more serious matters to think of than the petty devices of the medical profession to obtain a monopoly of medical practice. All newspapers of standing are sufficiently independent not to permit the insertion of advertisements of doubtful character or with immoral tendencies.

Custos and Excise Report.

THE Commissioners of Customs and Excise have issued their report for the year ended March 31, 1919, it being the sixty-third report relating to the Customs and the sixty-second relating to the Excise. It deals with the customs and Excise revenue in detail, and yields some interesting points. For instance, in 1919 there were 275,920 proof gallons of spirits received by makers for ethylation, and it was all home produced; and the amount of industrial methylated spirit sent into consumption by makers was 3,315,834 bulk gallons, and 1,388 of mineralised spirit. This is much below the average, the falling-off being greatest in the mineralised methylated spirit. The large quantity of 10,605,374 proof gallons of spirits was allowed to be received in a pure state for use in connection with arts and manufactures under the Finance Act, 1902, but much of this was due to requirements in connection with munitions of war and drugs for Government purposes. The statistics regarding the uses of industrial methylated spirit used in manufacturing operations and for other purposes during the year ended March 31, 1919, disclose some interesting points, from which we extract the following particulars :

| | Gallons |
|--|---------|
| Finish for sale | 232,335 |
| Varnishes, polishes, or lacquers for sale | 949,586 |
| Stains, paints, enamels, etc., for sale | 65,960 |
| Celluloid, xylonite and similar substances | 27,903 |
| Dil-cloths, leather-cloths, and similar substances | 205,700 |
| Soap | 328,292 |
| Electric lamp filaments | 5,889 |
| Incandescent mantles | 33,385 |
| Ether | 258,726 |
| Chloroform | 17,789 |
| Ethyl chloride and bromide | 6,721 |
| Solid medicinal extracts | 61,404 |
| Alkaloids and fine chemicals | 68,825 |
| Embrocations, liniments, and lotions | 28,242 |
| Surgical dressings | 14,238 |
| Capsules and other medicinal appliances | 5,583 |
| Hair washes | 38,350 |
| Cattle medicines | 3,191 |
| Plant washes, insecticides, and sheep dips | 3,406 |
| Photographic plates and papers, and other photographic purposes | 49,169 |
| Solidified methylated spirit | 27,260 |
| Ships' compasses, spirit levels, etc. | 5,443 |
| inks | 864 |
| Collodion | 36,238 |
| Disinfectants | 5,237 |
| Preservation of specimens in museums and hospitals | 2,904 |
| Educational and scientific purposes in colleges | 3,265 |
| Analytical and scientific purposes in the laboratories of analysts, works chemists, etc. | 7,944 |
| Hospitals, asylums, and infirmaries | 74,217 |

There were 7,237 gals. of perfumed spirit imported and retained for home consumption, the sum of 17,832 being paid in duty. There were imported 1,540,732 oz. of saccharin and saccharin mixtures, the duty paid being 615,542*l.*, while Excise duty amounting to 618,750*l.* was paid on 1,527,450 oz., an indication of the enormous demand for this sweetening agent. There was no saccharin made in this country during the years 1913 to 1917. The net receipt of duty on table-waters retained for home consumption was 1,452,952*l.*, this being for seventy-nine million gallons, of which nearly sixty-five million gallons was sweetened table-water, ten million unsweetened, and four million classified as herb beer. There were 4,569 licences issued to table-water manufacturers, the yield being 2,270*l.* As we have pointed out recently, the yield of medicine-stamp duty increased to 1,065,694*l.*, against 803,815*l.* for 1918. The number of licences to make or deal in patent medicines was 39,675, producing 9,920*l.* (9,919*l.* in 1918) to the revenue. There were eighty-four licences to sell spirits of wine issued to manufacturing and wholesale druggists, producing 840*l.* Methylated-spirit licences issued to makers were forty-five (yield 472*l.*), to retailers 13,651 (yield 6,798*l.*), eleven makers of saccharin took out licences during 1919, and 969 chemists, etc., keeping or using stills paid 476*l.* to the revenue.

Testing Clinical Thermometers.

THE report of the National Physical Laboratory for the year 1919 gives some interesting particulars of the work done at the laboratory in testing clinical thermometers. It will be remembered that in October 1918 the Clinical Thermometer Order made the verification of clinical thermometers compulsory. The work was entrusted to the National Physical Laboratory at a time when the laboratory was not fully prepared to do it, with the consequent disorganisation of the trade. The report states that the laboratory was asked to arrange to test 20,000 clinical thermometers a week, but the number to be dealt with was nearer 30,000, so that further provision had to be improvised. During the first few months that the Order was in operation delay in the test of instruments was caused by the large number of thermometers received, by delay in the completion of the testing equipment, and by shortage of staff due to the influenza epidemic. It is claimed that clinical thermometers are now ready for return in three to four days from the date of receipt. Two additional testing baths were erected during the year, making ten baths altogether in use. This enabled the laboratory to increase the output of tested clinicals to about 28,000 instruments per week. As the number of thermometers increased the erection of four more baths was started last September, so that there will be a reserve of testing-baths in case any of the existing baths break down. The additional equipment, however, made the present accommodation insufficient, so that additional space had to be provided in the glass-testing building. The four rooms have relieved the congestion. The number of instruments dealt with in the first nine months of 1919 was 1,047,000, an average of over 25,000 per week; some ninety persons were employed in the work. The report gives some details of the tests which show that the average number of rejections is slightly over 3 per cent., while at the start of the Order it was about 5 per cent. A very large number of the instruments are sent by makers whose rejections are still, and always have been, under 1 per cent., so that the figures quoted afford no clear

idea as to the large percentage of rejections obtained by some of the firms concerned. In one instance a firm which submitted 9,000 instruments for test in one month had a total of 28 per cent. of these instruments rejected. There are several firms whose records show similar figures. There is no outlet for rejected instruments. As an example of the output of the best makers, one firm has had only twenty-five rejections out of 15,000 instruments tested, and the majority of these were rejected for minor faults in action rather than for bad workmanship. It will be remembered that the maximum error for Fahrenheit instruments is 0.2° , while for a Centigrade instrument the error may not exceed 0.1° . In other words, all clinical thermometers must be correct within one scale division, as the usual practice in dividing thermometers is to indicate each fifth of a degree on Fahrenheit scale and each tenth on Centigrade instruments. A slightly greater margin of error is permitted at the top point of the scale. Besides being rejected for excessive error, a clinical thermometer will be rejected if the action is not satisfactory. This may be due to the constriction being imperfectly made, or to the presence of air or moisture in the bore of the tube. As a result of these defects the clinical thermometer may be too stiff to shake down with ease, or, on the other hand, the column may run back, thereby preventing the instrument acting as a registering thermometer. The presence of air may cause the column to divide, or may lead to unreliability in action, with consequent impossibility of obtaining the same correction at each point on successive trials. Errors of figuring or dividing may also entail the rejection of the thermometer. A specification for clinical thermometers has been drawn up by the laboratory at the request of the Board of Trade, and this has been submitted to the Clinical Makers' Trade Association for approval. Experiments are being made as to the suitability of the glass employed for the bulbs. The total number of clinicals tested since the Order came in force down to September 30, 1919, is 1,591,403.

Patron Saints for Pharmacy.

THIRTEEN years ago we discussed the claims of possible candidates for the rôle of patron saint of pharmacy (*C. & D.*, I., 1907, p. 837). The names then suggested were St. Luke, St. Christopher, St. Nicholas, St. Cosme, and St. Damian (or Damien). In our issue of January 25, 1913 (p. 155), we gave a reproduction of a painting representing the patron saint of Japanese pharmacy, who bears the mellifluous name of Su-kunabiko-no-mikoto. We have been reminded of these hagiological references by an excerpt transcribed for us by a correspondent from a Barbados paper, the original source being, we understand, American. The essential part of the quotation is as follows:

We propose St. Loy, who is known in ecclesiastical writings as St. Eligius, and to the French as St. Eloy. . . . He was very handsome, as chemists should be, and diligent, as they are these days, and wore fine apparel, as they do when they can. He practised austerities in secret, and chemists sometimes do this in their laboratories.

Then follows a story of the saint's prowess in shoeing a vicious horse—by the expedient of severing one of its legs and duly replacing it with the addition of a new shoe. Unfortunately for the relevancy of this rigmarole. St. Eligius, or St. Eloy (not "St. Eligius" or "St. Eloy"), is already the patron saint of goldsmiths, blacksmiths, and other workers in metal; cabmen have also put themselves under his protection. It seems wiser to turn to a genius not so heavily engaged. If a lady is eligible—and, in these enlightened days, there can hardly be any adverse reason—the choice might well fall on Pharmacea (or *Pharmacia*), the nymph of a well of toxic properties who is referred to by Plato in "Phaedrus." And, without extending the list unduly,

a claim may be put in for Pharmacus (or *Pharmachos*), a personage mentioned by Harpocrates. The history of this rather shadowy being is comprised in the single statement that he was stoned to death; judging by the context, it is not unlikely that he was sacrificed, following an ancient custom, in expiation of the sins of others. If this was the case, pharmacists of the present day should remember him with the liveliest sympathy.

The Constitution of the Elements.

MR. F. W. ASHTON, of the Cavendish Laboratory, Cambridge, has been making use of a new method of positive-ray analysis in a research into the constitution of the elements. At the end of last year he announced that he had found that atmospheric neon (atomic weight 20.2) is a mixture of two isotopes of atomic weights 20 and 22. Carbon and oxygen by the same method are found to be "pure." Chlorine is found to consist of at least two isotopes of atomic weights 35 and 37, which is supported by the fact that hydrochloric acid and phosphorus each show two compounds. Mercury is shown to be a mixture of at least three or four isotopes grouped in the region corresponding to 200. Early this year Mr. Ashton made another communication to "Nature," from which we quote these particulars, in which he stated that argon contains isotopes and krypton has no fewer than six constituents. Nitrogen is apparently a "pure" element. The latest results announced in "Nature" are that boron consists of two isotopes, fluorine is simple, silicon has probably three isotopes in its composition, bromine (atomic weight 79.92) is composed of approximately equal parts of isotopes 79 and 81, phosphorus and arsenic are apparently simple elements. In the case of sulphur the data are as yet insufficient to give a decision as to the presence of small quantities of isotopes. This interesting research will enable a new classification to be made of the elements, and will account probably for some of the difficulties which have been experienced in reaching finality in atomic weights.

Narcotic Drugs in Germany.

THE German Minister of the Interior has issued new regulations for the traffic in narcotic drugs. In the first place, persons dealing in these drugs have to obtain permission to do so from the Government authorities, and are permitted to supply these specified drugs only to wholesalers, manufacturers, pharmacists, and scientific institutions qualified to possess stocks of such drugs. A register must be kept of the amounts of each drug obtained and also supplied, and the date, name, address, and profession of the person from whom obtained, or to whom it has been supplied, must in each case be entered. In order to obtain any drug of this class a permit must first be obtained from the Opium Distribution Centre in Berlin, in which the name and amount of the drug required must be stated, as well as the amount already in the applicant's possession, and the name of the firm from which it is proposed to obtain the required supply. This formality must be complied with even by pharmacists. The following narcotic drugs are included within the scope of these new regulations: Opium, morphine and all other opium alkaloids; cocaine and similar compounds of ecgonine, as well as all compounds and preparations containing any of these substances or prepared from them—i.e., tinctures, extracts, mixtures, powders, tablets, solutions, dionin, ethylmorphine, apomorphine, pantopon, laudanum, etc., trivalin, emmecon, etc. On the other hand, narceine, narcotine, thebaine and papaverine, as well as their preparations and derivatives, may be supplied without a permit—e.g., cotarmin, stypticin, styptol, eukodal, etc.: also pantopon-scopolamine, morphine-scopolamine, and laudanum-scopolamine. The Ministry of Health is entrusted with the supervision of the execution of these regulations, and is empowered to require any information, including an inspection of the business books, of persons qualified to handle these drugs. The penalty provided for any infringement is imprisonment not exceeding six months, in addition to a fine not exceeding 10,000m., or either penalty alone. In addition, the incriminating drugs may be confiscated.

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on August 3 and 4. The proceedings on August 3 were private, and the following note was supplied officially :

PROPRIETARY MEDICINES BILL.

The Council considered the Proprietary Medicines Bill and referred it for consideration and report to the Local Associations Executive. It was further decided to ask Messrs. Bilson, Hines, Keall, Keith, and Wolff to act with the Local Associations Executive for this purpose.

The meeting was resumed in public on August 4, the President (Mr. E. T. Neathercoat) in the chair. All the members were present excepting Mr. J. W. Deakin, who, it was announced, sent an apology for unavoidable absence.

BRITISH PHARMACEUTICAL CONFERENCE.

The PRESIDENT stated that before proceeding with the business on the agenda he desired to refer to the proceedings of the British Pharmaceutical Conference recently held at Liverpool. Expressing himself as exceedingly pleased at its outstanding success, the President added that the arrangements made by the Liverpool Local Committee were on a handsome scale. Everything done by that Committee and by the pharmacists of Liverpool had resulted in the delegates who attended regarding the meeting not only as an enjoyable, but as a memorable one. The papers read to the Science and Practice Sections were of a very high order.

Mr. PARRY, in acknowledging the President's expression of appreciation, said that personally he was pleased to hear the kindly observations made. As a member of the Liverpool Local Committee, he desired to say that the pharmacists of Liverpool did their best to make all welcome and comfortable without any distinction. Speaking as a member of the Council of the Society, it was a matter of regret to him that more of his colleagues on that body had not attended the various meetings of the Conference: he had always regarded it as being a good thing that members of the Society, and especially of its Council, should interest themselves in the proceedings of the annual meetings of the Pharmaceutical Conference, and bring that organisation into closer and more intimate touch with the work and influence of the Society.

Mr. MELHUISE asked for information relative to the conference which was to have taken place between members of the Conference and representatives of the Council concerning the memorial to the late Colonel Harrison.

The PRESIDENT replied that the particular meeting to which Mr. Melhuish referred was arranged, but, owing to unforeseen circumstances, could not be held. This, however, did not mean that the proposed memorial would be abandoned.

Mr. MELHUISE remarked that his understanding was that a conference had been arranged in order to advance matters regarding the memorial.

Mr. SKINNER explained that there was no meeting with the Council's representatives. The subject came before the Executive of the Conference on the Monday night, when it was decided to circulate a form of subscription among those attending the meetings of the Conference. As a result of this he believed that 50/- or 60/- was promised before the Conference broke up. A similar form had been issued to the various local associations, and it was hoped that as a result there would be a bigger response.

Mr. MELHUISE said it was perfectly obvious that a larger sum than had been raised would be necessary.

PROPOSED INDUSTRIAL COUNCIL.

The PRESIDENT expressed his desire to refer to what had transpired in relation to the proposed Industrial

Council for the drug-trade. The Provisional Committee appointed to consider the establishment of such a body met on July 9 in order to consider the adoption of a draft constitution and rules which had been prepared by the joint secretaries, Sir William Glyn-Jones (representing the Council of the Society) and Mr. Boyd (representing the pharmaceutical employés). There was considerable discussion on the details of the constitution of the proposed Council, and ultimately on the question of the autonomous powers of the different sections which the Council would comprise—the retail, the wholesale, and the manufacturing. The employés' representatives strongly objected to any section of the proposed Council being able to act independently of that Council, and intimated that their experience had proved to them that the Council itself must maintain control even in sectional matters. The representatives of the different sections of employers indicated that they could not submit to the control of the proposed Industrial Council in sectional affairs. In consequence of the attitude assumed by each side a deadlock arose, and it was decided to adjourn the meeting in order that each member of the Provisional Committee might consult with his respective organisation; and that, if necessary, a further meeting of the Provisional Committee should be called. The question, therefore, which arose was whether or not the Pharmaceutical Council desired to submit its sectional interests—those of its various members—to the Industrial Council composed, as it would be, of representatives of every section of the drug-trade. At the meeting to which he (the President) had referred the representatives of the Pharmaceutical Society took the view that there must be sectional action, that the various sections should have power to deal with matters which concern each one respectively, and that they should not have to report to a full meeting of the proposed Council. Representatives of the other employers' organisations connected with the drug-trade took the same view. He regarded the matter as of vital interest to the employers' as well as to the employés' side in relation to pharmacy, so far as the retail section of the drug-trade was concerned. Consequently he thought the Council ought to give some ruling to their representatives on the Provisional Committee as to what action it was desired should be taken with regard to the particular point which had arisen. He felt perfectly certain that his colleagues would support the view taken by their representatives on the lines he had indicated, and in support of their action he moved :

That the Council regret that the representatives on the Committee considering the constitution of the proposed Industrial Council stipulate that the Council must maintain control over all matters, and cannot delegate to the various sections of the Council power to deal with conditions applicable to their own section; and that in consequence they are reluctantly compelled to withdraw from the scheme, and that it be referred to the Local Associations Executive to consider what action, if any, should be taken in the circumstances.

Mr. ROWSELL, in seconding, stated that he was present at the meeting of the Provisional Committee to which the President had referred, and, with others representing the Pharmaceutical Council, very strongly took the view that the various sections of the drug-trade should deal with their own particular affairs. So far as the Society was concerned, it was felt that those of its members engaged in the retail business, having to negotiate in retail matters, should be a deciding factor as to what scale of wages and hours should be adopted. They thought it was a right thing to report to the Industrial Council as the executive body, whatever was done; but they were of opinion that the Council should have no power to upset any decision at which each section might arrive.

Mr. LLOYD remarked that personally he did not like the terms of the resolution, because it appeared to him that, by passing it, the Council immediately admitted that they were in particular looking after the interests of the employers. It was a resolution which, from an employer's point of view—and he spoke as an employer—he should say ought to be passed; but in referring the question to the L.A.E. the resolution said that the Council did not agree with the employés, while as a matter of fact they

as a Council represented members of the Society who were both employers and employés.

The SECRETARY submitted that the controversy did not arise between employers and employés in the retail section of pharmacy. The point at issue, he continued, was that the whole body of employés claimed that the proposed Industrial Council should be all-powerful in regard to the decisions arrived at by all the sections. It did not at all follow from this that after due consideration the employés engaged in the retail section would not take the same view as the employers in the same section—namely, that they should be able to settle their own affairs without reference either to employers or employés engaged in other sections of the drug-trade, and without submitting their sectional interests to be decided upon by the joint body of the whole trade.

Mr. SKINNER expressed a desire to have one or two points elucidated. He said that after listening to the statement of the circumstances read by the President, he understood that the proposition originally put forward as the basis of the meeting of the Provisional Committee was jointly drawn up by the secretary of the Society and Mr. Boyd (who represented the employés). It seemed to him extraordinary that such a paragraph as the one proposed should have been allowed to lead to what he considered the waste of a whole afternoon without the whole matter and the circumstances relating to it having been previously considered and settled before it reached the stage described by the President. The question he raised was: Did the two secretaries draw up the proposed constitution or agreement, and did Mr. Boyd agree to the decision of the retail section being regarded as final, irrespective of the Industrial Council, as one of the propositions to be put forward? Mr. Boyd appeared to have kept himself very quiet until he found that his senior took a strong line, and then he came down on the line of his senior.

The SECRETARY gave the following as the history of the whole controversy: The Provisional Committee deputed to a sub-committee the business of submitting a draft constitution and a draft of rules for the proposed Industrial Council. That sub-committee asked the two joint secretaries—Mr. Boyd and himself—to prepare that draft. "Of course," remarked the secretary, "I could not commit the members of this Council, let alone all the other employers, to that draft. It was simply put forward as a matter for discussion. Mr. Boyd could not commit all his colleagues. When it came to be discussed he made it clear that, although he had assisted in preparing the draft, it must not be taken as committing his colleagues. It is obvious that in Mr. Boyd's opinion he himself at any rate did not appreciate the difficulty."

Mr. SKINNER: The whole thing veered round directly contrary to the resolution on one side?

The PRESIDENT: Being a matter concerned with the pharmaceutical trade, I think that is a special feature which makes it differ from other industrial councils.

Mr. PARRY: Some of us seem to be entirely in the dark. There are certain things known to some of us, and there are others which we appear to know nothing about. Can we get a clearer exposition of what actually took place?

Mr. WOLFF: What will be the outcome of our resolution?

The PRESIDENT: It is impossible for me to say.

Mr. WOLFF: Then will the secretary say what he thinks will be the outcome of it?

The SECRETARY: There is no objection—there is no mystery about it. The position is that this Council, in conjunction with the employers in the wholesale and manufacturing sections, have tried to set up an Industrial Council for the whole industry, and you appointed your representatives on that committee, and they are the people who have been dealing with it. They could not report to you till this meeting took place. It transpires that there is a deadlock—that the employés' representatives, or a large body of them, object to decisions by sections, and insist on the Industrial Council being all-powerful; that the retail section will be able to review

any arrangement which the wholesale section may make with their employés, and *vice versa*; that the representatives of the unions and the wholesale houses are to review any decisions which we may make. That is the deadlock which has arisen. Each section of the employers said they could not submit to that, and the representatives of each section decided to refer the matter to the body they represent, to ask whether they could not see their way clear to submit all decisions to the Industrial Council, which is to be all-powerful. If you pass that resolution it means that the retail section will cease. In all probability the view taken by the wholesale section will be exactly that now suggested by the President that you should take. It means that the present attempt to set up an Industrial Council breaks down, and the resolution asks that you refer the present position to the L.A.E. for an expression of opinion as to what action should be taken in the circumstances. That is the beginning and end of the whole business. I can say no more than that.

Mr. GUTHRIE: The employés are of all one mind.

The SECRETARY: It would be a mistake to say that, because it is quite clear that the representatives of some of the unions consist of both employés in the wholesale trade and employés in the retail trade. The secretary added that no one could say what would happen.

The resolution was then unanimously adopted.

DANGEROUS DRUGS BILL.

The PRESIDENT reminded the Council that when the Dangerous Drugs Bill was introduced by the Government, it was fraught with considerable dangers to pharmaceutical interests throughout the country. As a result of negotiations with the Government Department, the Council had been able to see that these dangers were removed. In the Grand Committee of the House of Commons dealing with the Bill, a clause was introduced which removed the grievances to which reference had been made. By that clause it would not be necessary for a business conducted according to the Poisons and Pharmacy Act to have either a licence for the premises or for the person or firm who controlled it. Nothing, therefore, in the Pharmacy Acts would be superseded. Another feature of the Bill in which the Council was particularly interested, and regarding which it took active steps, was that relating to the position of a pharmacist after conviction in the Courts. The original clause read that after conviction the Secretary of State could remove or withdraw authorisation to retail the dangerous drugs mentioned in the Bill from a pharmacist so convicted. That clause had now been amended to the effect that the Secretary of State, before withdrawing authorisation, would consult the Council of the Pharmaceutical Society. He thought they might congratulate themselves and pharmacists generally on the removal of the dangers by which pharmaceutical interests were at one time threatened by the Bill. The measure had passed its third reading in the House of Commons.

ELECTIONS AND RESTORATIONS.

It was agreed that 446 persons be elected members of the Society, that sixty-eight be elected student-associates, that three be restored to the Register of chemists and druggists, and that sixty be restored to the Society. The registrar reported that there had been eighty-eight registrations of apprentices as students since last meeting.

The PRESIDENT explained that most of the unusually large number of persons elected as members were those who had passed the July examinations.

On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, it was agreed to register Mr. Eric Edgar Morris, a pharmacist of the New South Wales Pharmacy Board, as a chemist and druggist. The President explained that this registration was in accordance with the scheme of reciprocity arranged some years ago with some of the pharmaceutical authorities of the Colonies.

HERBARIUM COMPETITION.

The report of Mr. Holmes on the herbarium competition was submitted, and it was agreed to make the

following awards: *Silver Medal*, William Murison, Aberdeen; *Bronze Medal*, Wm. S. Stannard, Colchester; *Certificates of Honour*, Dorian Kate Hirst, York; Jane Dallwheatley, Kingussie.

CORRESPONDENCE.

The secretary intimated receipt of a letter from the Federation of Medical and Allied Societies announcing that the Pharmaceutical Society had been allotted a seat on the executive council for the ensuing year. Mr. Rowsell was re-elected as the Society's representative.

FINANCE COMMITTEE.

The financial statement is summarised as follows: Receipts since the last meeting, including a balance of 1,784/- 15s. 11d., amounted to 11,408/- 19s. 2d., made up as follows: Rents, 102/- 5s.; penalties and costs, 73/- 16s. 4d.; "Journal" and publications, 66/- 6s.; registration-fees, 147/-; registration-fees (P. & P.A.), 224/- 14s.; subscriptions, 224/- 14s.; examination-fees, 8,698/- 7s.; restoration-fees, 2/- 2s.; certificates of qualification, 7/- 19s.; interest on deposit, 46/- 4s. 10d.; school-fees, 31/- After deducting payments amounting to 3,326/- 1s. 9d., authorised at the last meeting, and placing 3,000/- on deposit at bankers, there was a balance of 5,082/- 13s. 4d. The other balances were: Benevolent Fund (current account), 630/- 3s. 2d.; Benevolent Fund (debtors account), 628/- 4s. 3d.; War Auxiliary Benevolent Fund, 436/- 19s. 11d.; Orphan Fund, 271/- 0s. 3d. The report of the Finance Committee recommended payment of accounts amounting to 9,440/- 10s. 3d., and that the action of the secretary in making payments amounting to 782/- 18s. 7d. be approved. It also recommended that 1,000/- on deposit on the War Auxiliary Benevolent Fund be withdrawn.

The report was adopted without comment.

BENEVOLENT FUND.

Miss BUCHANAN, on rising to submit the report of the Benevolent Fund Committee, had a very cordial reception. The report recommended payment of several grants. In moving its adoption, Miss Buchanan intimated that, in response to a recent appeal, contributions amounting to 49/- had been received. An interesting and gratifying departure in connection with the fund was that the pupils at the School of Pharmacy had made collections in its aid. The Committee proposed to make the fund a little more popular in the country by exciting the special interest of the local associations.

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND.

Mr. PARRY submitted the report of this Committee, which recommended that certain grants be made. It stated that the Committee had agreed that the fares of ex-Service students recommended by the Portsmouth advisory committee should be paid to the examination centre and back. The Committee again had before them individual applications from students at a school in Glasgow for the cost of books, apparatus, etc., but agreed that a previous decision should be adhered to—viz., that such applications were not in accordance with the resolution of the Council and could not be entertained.

The report was adopted.

LIBRARY COMMITTEE.

The report of this Committee stated that several applications had been considered, and that it was recommended that the Harris Institute, Preston, and the Sunderland Technical College be approved for the purposes of Part I., and that the St. Saviour's and St. Olave's Grammar School for Girls, New Kent Road, London, be approved subject to inspection and report. In consequence of the results of their advertisement for a successor to Miss Caird, assistant lecturer in chemistry, not having been satisfactory, it was recommended that the selection of a successor be left to the chairman of the Committee and the Dean. It was recommended that the following appointments be made for the ensuing year: *Demonstrators in Chemistry*, Mr. G. R. Boyes, Mr. C. J. Eastland, Miss Woodward, Mr. B. W. Melhuish, Mr. K. E. N. Williams; *Demonstrators in Pharmaceutics and Botany*, Miss C. E. Pear-

son, Miss A. H. Saunders; *Dean's Assistant*, Miss E. M. Bristow. The salary in each case is 150/- per annum.

VISITS TO PROVINCIAL CENTRES.

With reference to visits of members of Council to provincial centres, the Committee took into consideration the draft scheme which had been prepared by the secretary and circulated two or three months ago, and, having amended it, made the following recommendation:

"In accordance with the scheme of organisation adopted by the Local Associations Conference, there will be ten federations of local associations which will cover the whole of England and Wales. Two meetings should be allocated to each of these ten federations to be addressed by members of the Council or L.A.E. They would be held under the auspices of the federation in conjunction with the local association for the district in which the meeting is held. The federations would be asked to arrange these meetings and functions so that they would cover as completely as possible the whole of their respective territory, and that at each of them all chemists who are members of the local associations in the district should be invited to be present. The federation should be held responsible for the issue of the invitations; the Council would pay the cost of the meeting-rooms as well as the expenses of the speaker who attends the meeting on their behalf. Such a regular series of meetings carried out annually would have a very beneficial effect upon the membership of the Society."

JULY BILLETING SCHEME.

A letter was read from Mr. Harry Martin reporting that the billeting scheme for the accommodation of ex-Service students attending the July examination had been a complete success, and that 380 students availed themselves of the accommodation offered. He gratefully acknowledged the assistance received from Messrs. C. H. Hampshire, W. B. Nelson, W. H. Allen, V. C. Hewlett, G. A. Mallinson, and H. Froude. The total expenses incurred were 15/- It was recommended that the secretary be directed to send an official letter of thanks to Mr. Harry Martin, expressing the Council's deep sense of obligation for the extremely useful work which he and those associated with him had carried out. The Committee deferred until the next meeting consideration of the report of the Dean on the scholarships.

Mr. WHITE commented in complimentary terms on the services rendered by Mr. Harry Martin in connection with the billeting scheme. That gentleman, he said, relieved the Council of the whole of the work.

The report was adopted.

AMENDMENT OF BY-LAWS.

The SECRETARY stated that it would be necessary at that meeting to read certain proposed alterations of the by-laws for a first time. The first one was in Sub-section 8 of Section 1, which provided that all members and all persons taking up the life-membership shall in future pay a fee of twenty-five guineas. Obviously that did not include honorary or corresponding members, and it was therefore proposed to alter the by-law by inserting after the words "all members" the words "except honorary and corresponding members." Sub-section 9 of Section 1, as it stood, provided that life-members were exempt from further subscriptions. This meant "further annual subscription," and did not mean that they would be exempt from any other sort of subscription the Council might ask them to pay. Accordingly, it was proposed to insert the word "annual" after the word "further" in the sub-section referred to. Another alteration adopted related to Sub-section 7, which it was proposed should read: "All members, except life-members, honorary members, and corresponding members, shall pay an annual subscription of one guinea and a half, provided that members joining the Society on or after July 1 in any year shall pay for that year one-half the annual subscription." At the meeting the previous evening it was decided that Sub-section 22 of Section 7, relating to the notice in writing required of those who intended to present themselves for examination, should be amended by the substitution of the word "first" for the word "fifteenth." It was also proposed to delete

Sub-section 4 of Section 8, which referred to persons who had not been examined under the statute of 1852, but had been registered as pharmaceutical chemists. It was proposed to alter Sub-section 1 of Section 9 and Sub-section 2 of Section 15 by providing for the payment of moneys by resolution of the Council.

The PRESIDENT moved that the by-laws as altered be read a first time. This was seconded by the VICE-PRESIDENT and agreed to.

This was all the public business.

"PAREGORIC SUBSTITUTE."

MR. WOLFF proposed the following resolution :

"That immediate steps be taken to direct attention to the serious risks to the public caused by the sales of a preparation known as paregoric substitute, and possibly the confusion of this with paregoric containing opium."

In dealing with the subject, he remarked it might almost appear as if he were referring to a matter of ancient history, but he thought the time was now ripe for action being taken to prevent the sale of an article to which there was the strongest possible objection. The article to which he referred was a preparation *minus* opium, which was sold as "paregoric substitute." He regarded its sale as involving a serious danger to the public. Just at the time when the whole question of poisons and their sale was under consideration, he regarded it as opportune that the matter should receive consideration. His proposal was that the resolution should be referred to the Law Committee.

MR. GUTHRIE formally seconded Mr. Wolff's proposition, which was unanimously adopted.

Examination Results.

MAJOR EXAMINATION (LONDON).

Sixteen candidates were examined and the following five passed :

| | |
|------------------------|-------------------------|
| Glenie, Robert Stephen | Thomas, Alfred |
| Hutchin, Kathleen Mary | Williams, Kenneth E. N. |
| Perkins, Wm. Whitmore | |

MAJOR EXAMINATION (EDINBURGH).

One candidate was examined, but failed.

QUALIFYING EXAMINATION (EDINBURGH).

| — | No. | Part I. | | Part II. | |
|--|-----|---------|--------|----------|--------|
| | | Absent | Passed | Absent | Passed |
| Entered for whole Examination ... | 390 | 6 | 294 | 6 | 157 |
| Entered for Part II. and referred subject in Part I. ... | 5 | — | 5 | — | 3 |
| Entered for Part I. only ... | 22 | — | 20 | — | — |
| Entered for Part II. only ... | 15 | — | — | — | 11 |
| Referred subject in Part II. ... | 13 | — | — | — | 13 |
| Total ... | 445 | 6 | 294 | 6 | 184 |

Referred in one subject :

Botany, 29; Chemistry, 39; Physics, 1; Materia Medica, 8; Pharmacy, 74.

PART I.

The following have satisfied the examiners :

| | |
|-----------------------------------|--------------------------------|
| Adams, J. V., Newcastle | Bell, Marjorie A., Ayr |
| Aird, Helen F., Saltcoats | Booth, Alfred, Aberdeen |
| Ashforth, Helen T. L., Motherwell | Bottomley, W. J., Halifax |
| Baxter, J. W., Dundee | Boyne, C. S., Edinburgh |
| Bale, John, Edinburgh | Bradbeer, W. C., North Shields |
| Beaton, M. R., Paisley | Breckon, Ralph, Gateshead |
| | Brooksbank, J., Bradford |

| | |
|----------------------------------|---------------------------------|
| Brotherston, A., Slateford | Marshall, W., Aberdeen |
| Brown, A. R., Leeds | Martin, Marion N., Bo'ness |
| Brown, R. H., Leeds | Matheson, T., Edinburgh |
| Burt, A. C. G., Kirkcaldy | Maughan, J., Newcastle |
| Buttery, F. A., Glasgow | Maxwell, W. H., Dundee |
| Carnegie, A. J., Govan | Miller, A., Leith |
| Chedlow, G., Macclesfield | Miller, Edith, Falkirk |
| Clark, J. D., Aberdeen | Mitchell, J. S., Aberdeen |
| Clark, J. S., Wishaw | Mitchell, W. S., Glasgow |
| Clark, Magnus, Aberdeen | Moffitt, R. D., S. Shields |
| Corrigall, P. N., Newcastle | Morison, G., Edinburgh |
| Cosans, W., North Shields | Morris, A., Rutherglen |
| Coupar, J. B., Dundee | Mowat, Isabella T., Edinburgh |
| Cowie, A., Edinburgh | Muschamp, J. H., Leeds |
| Crerar, J. M., Glasgow | Nicoll, T. C., Dundee |
| Danskin, T., Paisley | Parker, W. T., Glasgow |
| Davison, Alice M., Newcastle | Parry, E., Barnsley |
| Dent, Thomas, Glasgow | Paterson, T. H., Edinburgh |
| Dickson, John, Musselburgh | Peterkin, J. C., Glasgow |
| Doig, J. P., Glasgow | Philip, W., Aberdeen |
| Donald, P., Grangemouth | Pirie, G., Edinburgh |
| Driver, James, Bolton | Poole, Ivy M., Edinburgh |
| Dutton, F. W., Glasgow | Rae, I. M., Edinburgh |
| Dysart, A., Glasgow | Reekie, David, Aberdeen |
| Eadie, G. A., Edinburgh | Richardson, W. O., Dundee |
| Eddie, J. C., Melrose | Riddell, J. H., Newcastle |
| Fraser, F. M., Glasgow | Robson, R. T., S. Shields |
| Freeman, F. C. L., Gresley | Ross, J., Edinburgh |
| Gardner, A. M., Glasgow | Rule, J., Glasgow |
| Gilmour, W. J., Glasgow | Rutherford, A., Edinburgh |
| Gordon, A. M., Glasgow | Rutter, H., Gateshead |
| Gordon, A. P., Glasgow | Shrigley, H. F. E., Barnsley |
| Gordon, H. M. M., Aberdeen | Sinclair, Mary I., Helensburgh |
| Gordon, W. J., Glasgow | Smith, I., Halifax |
| Gourlay, David, Leith | Steele, Nora F., Glasgow |
| Halliday, J., Bradford | Steele, W. D., Dumbarton |
| Hamilton, W. R., Edinburgh | Stewart, G. D., Edinburgh |
| Harlan, D., Edinburgh | Stock, F. C., Bradford |
| Hardy, R., Edinburgh | Stone, J. J., Portobello |
| Harrison, F., Ulverston | Stuart, W., Dundee |
| Henderson, H., Glasgow | Sutherland, D., Edinburgh |
| Hendry, M. M., Renfrew | Sutherland, J., Aberdeen |
| Hirst, E. S., Bradford | Taylor, A. N., Dalkeith |
| Hornsby, Will, Newcastle | Taylor, P., Larbert |
| Inkster, W. T., Glasgow | Troup, J., Aberdeen |
| Jack, W. J., Loanhead | Vallance, Annie K., Paisley |
| Jamieson, J. E., Glasgow | Vernon, C., Leeds |
| Kirk, T. I., Glasgow | Wallace, Euphemia L., Leith |
| Kirkup, Sarah, Gateshead-on-Tyne | Wallace, T., Edinburgh |
| Laurie, T., Edinburgh | Wearmouth, A. H., Rowlands Gill |
| Lawson, T. B. S. Shields | White, J. L., Glasgow |
| Loudon, T., Motherwell | Williamson, W. J., Newcastle |
| Low, D. D., Glasgow | McLaughlin, J., Glasgow |
| Macdonell, Nora, Edinburgh | McManus, Catherine, Glasgow |
| McNab, Effie R., Gorebridge | McNab, D. B., Dalry |
| Malcolm, Elizabeth S., Aberdeen | Wilson, D. S., Aberdeen |
| | Wilson, W., Halifac |
| | Young, R. S., Glasgow |

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

| | |
|------------------------------------|-------------------------------|
| Aird, Janet D., Darvel | MacKinnon, Roberta, Glasgow |
| Bell, Agnes D., Hawick | McNair, Georgina H., Farlie |
| Bliss, T. P., Edinburgh | Malcolm, W. W., Glasgow |
| Buchanan, Mary B. A. S., Edinburgh | Matthew, J., Barnsley |
| Burns, C. N. S., Aberdeen | Murray, W. S., Accrington |
| Crawford, Elizabeth C., Glasgow | Parkinson, J., Winsford |
| Erasmus, J. W., Glasgow | Shand, J. T., Inverurie |
| Farquhar, Marjory P., Perth | Farquhar, J. H., Bradford |
| Kirk, Helen G., St. Andrews | Tovani, L. A., Edinburgh |
| McColl, Agnes T., Bearsden | Wallace, W. D., Lanark |
| McKerlie, Edith F. E., Thornhill | Whiteford, A. M., Helensburgh |
| McLaren, P., Edinburgh | Young, H. B., Edinburgh |

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

| | |
|-------------------------|-------------------------|
| Allin, G. W., Gourock | Anderson, P., Glasgow |
| Anderson, J. A., Forres | Angus, D. L., Edinburgh |

Babington, T. H., Buxton
 Baird, R. N., Menstrie
 Bannatyne, W., Glasgow
 Barnwell, S. M., Edinburgh
 Barton, W., Selkirk
 Beaton, W. C., Paisley
 Beattie, J., Hawick
 Beaumont, G., Huddersfield
 Blaek, J. R., Grangemouth
 Blaek, John, Edinburgh
 Booth, Jean I. F., Aberdeen
 Bowden, A. C., Dundee
 Bowman, D. S. F., Edinburgh
 Bride, W. E., Leeds
 Brocklesby, P., Rotherham
 Brooke, B., York
 Brown, John, Keith
 Bruce, Margaret, Brechin
 Bruce, R., Perth
 Bryson, R., Glasgow
 Buchanan, J., Loanhead
 Burnley, M., Sunderland
 Burnside, W. L., Bradford
 Caird, H. W., Dundee
 Cameron, Donald, Oban
 Cameron, John, Glasgow
 Cameron, W. M., Inverness
 Camidge, E. S., York
 Campbell, H. V., Glasgow
 Carson, E. C., Uttoxeter
 Cartwright, P. H., Galashiels
 Chalmers, R., Dunfermline
 Chisholm, J. W. T., Golspie
 Clear, A. W., Leicestershire
 Cochrane, T. G., Cumnock
 Comley, J., Selby
 Couldrey, H. R., Dundee
 Cowe, R., Edinburgh
 Crawford, G. T., Leith
 Crossley, T., Halifax
 Danson, W., Manchester
 Davidson, J. S., Peterhead
 Dawson, J., Stirling
 Dewar, J., Kinross
 Dobson, Paul, Leeds
 Dunn, John, Ayr
 Erskine, A. A., Newmilns, Fife
 Exton, C. N., Settle
 Fawthrop, L., Bradford
 Findlay, A. J. F., Brechin
 Forsyth, J. W., Leith
 Foster, D. W., Colinsburgh
 France, A., Horbury
 Fraser, D. J., Invergordon
 Fraser, D., Inverness
 Fraser, J. A. G., Harrogate
 Fulton, W., Crieff
 Galgot, H., Pretoria
 Galloway, T. N., Edinburgh
 Gatherum, J. R., St. Andrews
 Gordon, T. S., Braemar
 Grant, D. G., Glasgow
 Grant, G., Portknockie, N.B.
 Grassam, D. P., Falkirk
 Gunn, F. A., Newcastle
 Harrower, W., Torryburn, Fife
 Hindes, Gwendolen, Oldham
 Hiscoek, W. E., Gateshead-on-Tyne
 Hitchcock, F. S., Sheffield
 Hodgson, M. R., Bradford
 Hogg, D., Glasgow
 Huggins, N., Bradford
 Innes, J., Buckie
 Ireland, M., Leven
 Irving, J. D., York
 Johnson, T. T., St. Andrews
 Jones, J., Aberdeen
 Kay, W., Glasgow
 Kerr, J. W., Glasgow

Kirkaldy, J. R. G., Abreath
 Lauder, J., Glasgow
 Leith, M. P., Aberdeen
 Lindsay, R., Hawick
 Lister, W., Halifax
 Lowden, R. S., Forfar
 Lowe, Elizabeth M. C., Banff
 Lowther, R., Bolton
 McBain, C. D., Edinburgh
 McDowall, J. S., Dumfries
 McGowan, Margaret W., Auldgirth
 Macintosh, A., Edinburgh
 MacLeod, A., Blairgowrie
 Maepherson, M. A., Jedburgh
 Mair, C. A., Keith
 Meston, D., Aberdeen
 Miehie, J. A., London
 Miller, T. C., Dunfermline
 Mitchell, W. R., Dundee
 Mortimer, J. F., Boddam, N.B.
 Muir, Peter, Pittenweem
 Murray, A. D., Dyce
 Napier, Isabella S., Aberdeen
 Ormiston, T. D., St. Boswells
 Parken, E. R., Edinburgh
 Paterson, W., Exmouth
 Patley, C. H., Jarrow-on-Tyne
 Pattullo, T. S., Edinburgh
 Peace, E., Sheffield
 Pendlebury, C. W., Leeds
 Pirie, G. W. T., Aberdeen
 Prentice, J. W., Lanark
 Rankine, A., Dunfermline
 Reeves, W., Wylam-on-Tyne
 Reid, Gilbert, Buckie
 Reith, D. W., Edinburgh
 Richardson, C. A., Shipton
 Richardson, C. A., Shipton
 Robertson, A., Hamilton
 Robertson, D., Dundee
 Robertson, W. C., Lilliesleaf
 Rogers, J. H., Wrexham
 Rushton, G. I., Southport
 Sanderson, N. O., Bury
 Shackleton, W., Liverpool
 Shanks, G. B., Forfar
 Sharp, D. R., Perth
 Shepherd, H. A. E., Bradford
 Shivas, A. L., Aberdeen
 Small, D. L., Edinburgh
 Smith, A. E., Burton-on-Trent
 Smith, G., Broughton Ferry
 Smith, J., Glasgow
 Smith, J., Rutherglen
 Smith, J., Falkirk
 Smith, W., Fraserburgh
 Sowerby, A., Jarrow-on-Tyne
 Stalker, G., Whitehaven
 Standish, C., Bradford
 Stein, H., South Shields
 Stewart, J. R., Elgin
 Stewart, W. M., Falkirk
 Stuart, J., Edinburgh
 Sutherland, N. M., Fort William
 Todd, G. L., Harrogate
 Turnbull, D. M. V., Hawick
 Vokins, C. W., York
 Walker, H., Jedburgh
 Walker, R. I., Gatehouse
 Walmsley, T. W., Bradford
 Waugh, R., Edinburgh
 Whyte, J. A., Arbroath
 Wilson, A. M. G., Dundee
 Wilson, J. H., Dunfermline
 Wilson, W., Boness
 Wishart, S., Perth
 Young, A., Glasgow

THE restrictions regarding the importation of novocain into British India, which have been in force since August 1907, have been cancelled.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Essex.—At a meeting of the Insurance Committee on July 27, the Medical Benefit Sub-Committee reported that for the first quarter of 1920 229,964 prescriptions were dispensed at a cost of 9,676/- 13s. 9d., an average of 10.1d. per prescription. For the corresponding quarter in 1919 the prescriptions numbered 195,958, and the average cost was 8.1d.

Great Yarmouth.—At a meeting of the Insurance Committee held on July 30, the clerk reported that he had had some "urgent" scripts returned by the Prescriptions Pricing Office, as they were not endorsed with the time of dispensing, and the chairman decided that on this occasion all should be allowed. In future, however, the double fee will only be allowed where the scripts are fully endorsed. The Committee appointed Mr. A. E. Richmond, chemist, St. Peter's Road, as its representative on the East Anglian Joint Pricing Committee.

Kent.—The Insurance Committee met on July 28, Mr. C. Iggleston in the chair. The report showing the number of urgent prescriptions issued by doctors during the quarter ended March 31 was referred to the Panel Committee, as, in the opinion of the Finance and General Purposes Sub-Committee, the number of prescriptions carrying an urgent fee is excessive. The Sub-Committee's recommendation to have chemists' hours of service considered in relation to the surgery hours of the doctor in one case where 266 prescriptions carrying "urgent" fees had been issued was also adopted. The Sub-Committee further reported that they had referred to the Pharmaceutical Service Sub-Committee for investigation certain prescriptions which had been marked "Urgent" by some person other than the doctor. The Medical Benefit Sub-Committee reported that they had received a letter from the Ministry of Health in reply to the opinion expressed by the Committee that capsicum wool and thermogene should be regarded as medicines for external use rather than appliances, in which the Department stated that during the recent revision of the schedule of appliances the matter of including these articles received full consideration, when it was decided that such inclusion was neither necessary nor desirable.

Wolverhampton.—A meeting of the Wolverhampton Pharmaceutical Committee was held on July 23, Mr. T. J. Gibson, J.P. (chairman), presiding. Mr. W. R. Dunn was appointed auditor. A meeting on July 28 of the panel chemists was held under the presidency of Mr. F. J. Gibson, J.P., when various questions were discussed, including malaria clinics, baby welfare, and the dispensing terms for 1921. The period of office of the Pharmaceutical Committee was extended to December 1920, and the annual report and statement of accounts were adopted. A vote of thanks to Mr. Hibberd (Martyn, Ltd.) for printing the report was passed, and Mr. Hibberd was congratulated upon being elected a member of the Committee of the Chamber of Commerce.

SCOTLAND

Dumfriesshire.—At a meeting of the Insurance Committee on July 28, it was agreed that persons residing two miles and over from a chemist's shop should be allowed to have prescriptions made up after shop hours on making application to the chemist's private residence, but "urgent" prescriptions would be dispensed at a chemist's private residence even if they belonged to a person within the two-mile limit. The clerk said that with regard to the hours of business of chemists' shops, there were only two places (Lockerbie and Ecclefechan) where there was no Sunday opening of chemists' shops. Considering that the chemists in these places are prepared to dispense medicines on Sundays at their private houses, the Committee decided that it was not necessary to insist upon Sunday opening.

Association Affairs.

Brighton.—A meeting of the Brighton Association of Pharmacy was held on July 22, the President (Mr. C. G. Yates) in the chair. Mr. Yates addressed the meeting on the growing need for unity among chemists, and referred to American competition. A short discussion took place with relation to dispensing prices, and consideration was given to the suggested scale of wages put in by the Drug Union. Messrs. Greening and Edgar Jones were appointed as representatives to the Federation meeting. The secretary received instructions regarding the proposed agreement on dispensing-prices with company chemists.

Edinburgh.—The Edinburgh Chemists', Assistants', and Apprentices' Association held the summer meeting and practical botanical demonstration in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on July 30, Mr. William Duncan, Ph.C., F.C.S., being the demonstrator. The fresh plants shown included almost all the medicinal and other plants set for recognition under the regulations of the Qualifying examination. A branch of *Pinus Abies* was shown bearing pineapple galls produced by the puncture and deposition of ova by the insect *Kermes abietis*, which passes one stage of its life history on the spruce fir and another on the larch. The collection included some fine specimens presented by Mr. R. Glode Gayer from Duncan, Flockhart & Co.'s Drug Farm, and others from Mr. Duncan's own garden. Interesting collections of wild plants from Midlothian and Ayrshire were also exhibited by members.

Halifax.—The Halifax Chemists' Association held a meeting on August 2, the President (Mr. L. Chambers) in the chair, to consider the suggested scales of salaries submitted by the Local Associations Executive from the Amalgamated Society of Pharmacists, Drug and Chemical Workers. A delegate was appointed to express the opinions of the meeting at the North-Eastern Federation meeting in York on August 25. The secretary notified the members of the receipt of a notice from the Commissioners of Customs and Excise respecting the liability to medicine-stamp duty of disinfectants, deodorisers, etc., recommended for the prevention, cure, or relief of human ailments Condé & Mitchell, Ltd., had intimated that their proprietary was not liable, and Milton Manufacturing Co., Ltd., that "Milton Antiseptic" was already stamped, and when required for curative purposes this packing should be supplied.

Lancaster.—On July 28 the members of the Lancaster Pharmacists' Association assembled at the Empire Café, Lancaster, to express their appreciation of the services rendered by Mr. J. B. Shattock, who has acted as secretary of the Association since its inception over twelve years ago. After a few introductory remarks the President (Mr. H. Troughton) called upon Mr. Vince, a past-President of the Association, to make the presentation, which took the form of an oak sliding chair and mahogany clock suitably inscribed for Mr. Shattock and a gold and opal pendant for his daughter, Miss Meta Shattock. After Mr. and Miss Shattock had replied, refreshments were served and Mr. F. N. Whitehead (Morecambe) proposed the health of "The Guests," which was received with musical honours.

London.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held on July 27, Mr. G. B. Barnard (President) in the chair. The following officers were elected for the year 1920-21: *President*, Mr. A. J. Wing; *Vice-President*, Mr. J. Humphrey; *Secretary*, Mr. G. A. Tocher. The Committee desired that their appreciation of the services rendered by Mr. Tocher during the past year be entered in the minutes. The Organisation and Trade Sub-Committee was re-appointed. Messrs. C. A. Noble and G. A. Tocher were re-appointed joint secretaries for the county. It was decided that consideration of a suggested scale of wages submitted to the Local Associations Executive by the Amalgamated Society of Pharmacists, Drug, and Chemical Workers be postponed until the next meeting in Septem-

ber, in view of the impossibility of calling together the members of the various district associations within the time. A notice of motion for inclusion on the agenda of the next meeting was received, stating that for the consideration of matters between "employer" and "employé" the county Executive shall form an "Employers' Section." The annual meeting of the "Script" shareholders will be held in August. Three new representatives had been appointed to the County Executive. North-Eastern Association, Mr. C. W. N. Fox; South-Eastern Association, Messrs. H. S. Foster and C. H. Siddle. A statement of accounts and balance-sheet for the year ended June 1920 was adopted. The amounts received from the district associations was 40*l.* 1*s.* 10*d.* The accounts were audited by Mr. Gilbert Jones. The report of the Pharmaceutical Insurance Sub-Committee was adopted. The next meeting will be held on September 21.—A meeting of the Executive Committee of the Metropolitan Federation was held on July 28, at which the following associations were represented: London, Surrey, Middlesex, and West Ham. The following officers were provisionally appointed: *President*, Mr. E. T. Neathercoat; *Vice-Presidents*, Mr. H. S. Watson, Mr. J. H. Mather; *Treasurer*, Mr. W. E. D. Shirliff. *Secretary*, Mr. G. A. Tocher. With regard to the Drug Union scale of wages, the Executive Committee decided to refer the question, together with a copy, to the various associations in the group.

Merthyr Tydfil.—At the monthly meeting of the Merthyr Tydfil Pharmacists' Association, held on July 27, Mr. J. Francis (President) referred to the loss sustained by the Association in the death of the late Alderman R. P. Rees, J.P. (Dowlais), and a vote of condolence with the family was passed. Attention was called to the undue cutting in the prices of the specialities of S. Maw, Son & Sons, Ltd. It was resolved that Messrs. Maw be requested to standardise the retail prices. The proposed Proprietary Medicine Bill was discussed, and it was suggested that all medicines should be sold only by qualified chemists.

Sheffield.—A meeting of the Sheffield Pharmaceutical and Chemical Society was called to consider the standardisation of wages. A protest was made against the presiding chairman, as he is a non-employer. Objection was also taken to the employers using the funds of the Society to hold meetings on behalf of employers. After a lively discussion, on the casting-vote of the chairman it was decided to close the meeting of the local Society and hold a meeting of employers. Mr. J. Gilbert Jackson was elected chairman, but refused to act. Eventually Mr. J. T. Appleton took the chair, and, after a heated controversy, it was decided the time was not opportune to accept the scales as suggested, although the meeting was in sympathy with a proper scale of payments being made to employés.

Summer Outing.

Oxford Chemists' Motor Trip.

At the invitation of the President (Alderman C. Clayton), the members of the Oxford Chemists' Association, and ladies, had an enjoyable motor trip in splendid weather across the famous Berkshire Downs on July 29. The route taken was *via* Bear's Hill through Abingdon and Steventon to Chilton Down, where a halt was made to admire the scenery. Tea was served at Newbury at the Chequers Hotel, and Mr. John Dolbear thanked Alderman Clayton on behalf of the company for his kindness in providing the outing. After several group photographs had been taken, the journey was continued through Cold Ash, Bradfield, and Pangbourne, Oxford being reached at 9 P.M.

GRECIAN OLIVE OIL.—The olive-oil harvest in Greece promises to be satisfactory. Merchants in the region of Corfu have requested permission to export olive oil, but the Minister of Supplies has refused.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(From "The Trade-marks Journal," June 9, 1920.)

"BALANCE BRAND" and device, including scales and trail of fruit; for essential oils (4). By F. Balle & Co., Via Carea 5, Catania, Sicily. 393,742. (Associated.)

"VARICHOSSETTE"; for surgical stockings, etc. (11). By the Vena Appliances Co., 14 Florence Road, Bromley, Kent. 401,056.

"SANAERISER"; for curative vaporisers (11). By John Bell & Croyden, Ltd., 50 Wigmore Street, London, W. 1. 401,126.

Circular device representing figure of half-man and half-horse, and Greek characters. "CHIRON"; for surgical instruments (11). By Mayer & Phelps, 59-61 New Cavendish Street, London, W. 1. 401,843/4. (Associated.)

"CREME-VITA"; for perfumery, etc. (48). By J. M. Whyte, 5-7 Ormeau Avenue, Belfast. 402,066. (Associated.)

"AYSEE HAIR TONIC" on device of pillars and flowers ("Aysee" disclaimed); for perfumery, etc. (48). By A. Connell, 3 Jewry Street, London, E.C. 3. 400,818.

(From "The Trade-marks Journal," June 16, 1920.)

"LANASUN"; for goods (1). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 391,225. (Associated.)

"MAXYNCRON"; for all goods (1) and for goods (4). By H. M. McArthur & Co., Ltd., 327 Vauxhall Road, Liverpool. 399,326/7. (Associated.)

"FLUOREMETIC"; for chemicals (1). By R. Cruickshank, Ltd., Camden Street, Birmingham. 401,746.

"OPT"; for sanitary chemicals (2). By the North British Chemical Co. (England), Ltd., Fairfield Road, Droylsden, near Manchester. 400,402.

"TORRAC"; for chemicals (2). By G. T. Philip, 132 Abbeyfield Road, Sheffield. 402,487.

"SALTRATED"; for medicinal chemicals (3), mineral waters, etc. (44), and for perfumery, etc. (48). By Saltrates, Ltd., 214 Great Portland Street, London, W. 1. 402,149/150/1. (Associated.)

"EMOLUBES BRAND OINTMENT"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 402,313.

"BISHOPS NATURAL FRUIT SALINE" on fruit device ("Natural Fruit Saline" disclaimed); for a medicated saline (5). By A. Bishop, Ltd., 48 Spelman Street, London, E. 1. 399,546. (Associated.)

"ZINCOPLAST"; for medicated plasters (3). By Leslie's, Ltd., 62 London Wall, E.C. 2. B403,746.

"ASPILO"; for hair lotions (48). By W. H. Ashmore, 21 Dawson Street, Dublin. 399,781.

"LADY MARY"; for toilet preparations (48). By V. Vivaudou, Inc., 418 West 25th Street, New York, U.S.A. 400,181.

"EL CAMBIO"; for hair preparations (48). By J. Spence, 132 Thornton Road, Bootle, Liverpool. 402,574.

"DIADEM"; for perfumery, etc. (48). By Robartes, Ltd., 1 Dyers Buildings, Holborn, London, E.C. 1. 402,821. (Associated.)

(From "The Trade-marks Journal," June 23, 1920.)

"ACTIVOL"; for photographic developers (1). By Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, London, E.C. 2. 402,103.

"ANTI-BLIGHTOL" ("D"), with device of potato and stone jar ("Anti-Blightol" and "D" disclaimed); for chemical potato dressing (2). By the Newman-Bates Chemical Co., Dunster House, Mark Lane, London, E.C. 3. 390,749.

"FLUJEL"; for chemicals (2). By C. A. Langham, 1 King's Court, Hove, Sussex. 400,116. (Associated.)

"ODOCIDE" "SULPHOCIDE," "CRESOTAN," "DICRESOTAN," "CRESOCHLOR," "OCALIN," "ANTOXIGEN," "PAN-GERMOL"; for chemicals (2). "POTAMINT"; for medicinal chemicals (3). By Murphy & Son, Ltd., 3 and 4 Queen Square, Leeds. 402,801/2/5/6/7/9/10/11; 402,808.

"CANNADONNA BRAND AN ASTHMA CURE"; for herbaceous mixtures for asthma, etc. (3). By F. T. Steen, Buxton's Buildings, Eighth Street, Mildura, Victoria, Australia. 393,074.

"BENZAO"; for all goods (3). By Wiggleworth, Ltd., Peel Street, Westhoughton, Lancs. 399,911.

"CADUM"; for medicinal chemicals (3). By Omega, Ltd., King Henry's Walk, London, N. 1. 400,668. (Associated.)

"MEDIMES BRAND CASTOR OIL"; for medicinal chemicals (3). "MEDIBLES"; for feed substances (42). By Industrial Finance, Ltd., Thames House, Queen Street Place, London, E.C. 4. 401,239/240. (Associated.)

"VITAMEL BRAND A MEDICATED TONIC FOOD," "MERCOID BRAND MEDICINAL TABLETS"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 401,666; 402,314.

"PEDDIP"; for a medicated wine (3). By M. Silverstone, 17 Lawrence Lane, Cheapside, London, E.C. 2. 402,753. (Associated.)

"MARROVE"; for teeth preparations (48). By W. J. Milton, 122 Station Road, Hendon, N.W. 4. 396,459.

"EUSHAVOL"; for toilet cream and soap (48). By Louvain Preparations, Ltd., 150 Southampton Row, London, W.C. 1. 399,330.

"WHITECROSS"; for tooth-paste (48). By the Chemists' Manufacturing Co., Ltd., 123-125 Newington Causeway, London, S.E. 1. 400,199. (Associated.)

"CHLORODONT" for teeth preparations (48). By O. H. Von Mayenburg, 12 Königsbrückerstrasse, Dresden, Germany. 400,354.

"COWEES ESSENCE" and device; for a toilet essence (48). By Jago & Jerome, Ltd., Nelson Street, Manchester. 400,748. (Associated.)

"ALBODON"; for perfumery, etc. (48). By the Albodon Co., Inc., 7 West 45th Street, New York, U.S.A. 401,892.

"DEVINOL"; for perfumery, etc. (48). By Maude Drew, 166 Sloane Street, London, S.W. 1. 402,755.

"MINTAFRICE"; for perfumery, etc. (48). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 402,966.

"MYROL"; for tooth-brushes (50). By A. W. Wilson, S. W. Willcott, and L. Wilson, 82 Lowther Street, Whitehaven. 402,341. (Associated.)

(From "The Trade-marks Journal," June 30, 1920.)

"FLUGFANGAREN TRICS" and device of three flies; for fly-traps (2). By A. Ritter, Ostra Förstadsgatan 11, Malmö, Sweden. 395,709.

"SANAPOCHE"; for pockets, etc., treated with disinfecting material (2). By R. J. Parkes, 28 Hoghton Street, Southport. 400,923.

"RESTO"; for soap (2, 3, 47, 48, and 50). By W. Gossage & Sons, Ltd., Widnes, Lancs. 401,020/1/2/3/4. (Associated.)

"DISOLITE"; for chemicals (2). By Wm. Butler & Co. (Bristol), Ltd., Silverthorne Lane, St. Philips, Bristol. 403,069.

"GASTROX"; for chemicals (2). By the Yalding Manufacturing Co., Ltd., near Hampstead Lane, Yalding, Kent. 403,125.

"BUCKLUCK BRAND CHILBLAIN LINIMENT"; for chilblain liniment (3). By C. H. Woollard, 3 Furness Road, Fallowfield, Manchester. 399,266.

"NAB BRAND A SOLVENT FOR ORGANIC SALTS," "GRINDELIX BRAND ASTHMA MIXTURE," "BROMALDIA BRAND SEDATIVE MIXTURE," "PERTUSA BRAND COLD MIXTURE," "PHTHALCID BRAND LAXATIVE TABLETS"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 399,609; 401,154/5/6/659.

"ARTHRETIES BRAND A MEDICINE FOR HUMAN USE"; for a medicine (3). By the Hubbard Co., Ltd., 38 and 39 Cowcross Street, London, E.C. 1. 400,691.

"BOUNTY" on oblong label; for all goods (3), (48), and for polishes, etc. (50). By Robin & Houston, Ltd., Wright Street, Renfrew, Scotland. 402,615/6/7. (Associated.)

"REGESPA"; for medicinal chemicals (3). By Regesan, Ltd., Trent Street, Nottingham. 402,871. (Associated.)

"FEATHFREDGE"; for india-rubber sponges (40). By Markt & Co. (London), Ltd., 98 Clerkenwell Road, London, E.C. 1. B403,819.

"CREMINTOLS"; for confectionery (42). By Lorimer-Marshall, Ltd., 12 Tower Hill, London, E.C. 3. 402,752.

"DERMATROPHINE"; for seurf pomade (48). By Stephens & Sons, 341 King Street, Hammersmith, W. 6. 402,968.

(From "The Trade-marks Journal," July 7, 1920.)

"GLOBE"; for flycatchers (2). By F. W. Hampshire & Co., Ltd., Full Street, Derby. 401,172.

"PREMER"; for a food preservative (2). By G. McLellan, 23 Main Street, Calton, Glasgow. 402,875.

"YALDIP"; for chemicals (2). By the Yalding Manufacturing Co., Ltd., near Hampstead Lane, Yalding, Kent. 403,144. (Associated.)

"ARTOCTRA"; for chemicals (2). By F. Stefauni, 9 Rue du Général de Joinville, Neuilly-sur-Seine, France. 403,443.

"CAZO BRAND MEDICAL PREPARATION FOR HUMAN USE"; for medicines (3). By D. J. Little & Co., 37 Hatton Garden, London, E.C. 1. 391,954.

Trade Report.

42 Cannon Street, E.C. 4, Aug. 5.

THE produce markets having been closed for several days since our last report, there is little change to record in the situation. Prior to the holiday there was a decidedly firmer feeling in Mincing Lane produce generally, and this has since been maintained. The continued falling away in the American exchange, however, is becoming a serious matter again, and that together with the graver aspect of affairs in Poland are the two outstanding events of the week. Pharmaceutical chemicals continue extremely quiet, and prices of a number of items are the subject of negotiations, in the absence of definite rates. Buying is, however, strictly hand to mouth. Citric and tartaric acids are cheaper; vanillin is also lower. Formaldehyde, hexamine, and pyrogallic acid are steady. Bromides are 1s. lower in America, but London and Hamburg are still the cheapest markets. Iodides are very firm, and a premium has to be paid on the maker's price of strychnine nitrate owing to the large demand. Emetine salts are easier. Other changes include a firmer tendency in arsenic and a weaker feeling in copper sulphate. Russian anise is steady; dill is dearer, and fenugreek-seed is firmer. Japanese farina is dearer. Cloves and pepper are firmer. Cod-liver oil is in fair demand. Menthol has been sold freely at higher prices.

| Higher | Firmer | Easier | Lower |
|---------------|----------------|----------------|-------------------|
| Arsenic | Albumen | Apomorphine | Almond oil |
| Civet | Fenugreek-seed | Aspirin | (B.P.) |
| Cloves (Zan.) | Pepper | Camphor | Apiol |
| Dill-seed | Soda | (Jp. ref.) | Bromides (U.S.) |
| Egg-products | hyposulphite | Cbrysarobin | Citric acid |
| Farina (Jp.) | | Coumarin | Copper |
| Menthol | | Emetine salts | sulphate |
| Musk | | Lithopone | Juniper-berry oil |
| | | Soda prussiate | Vanillin |

Cablegram.

NEW YORK, August 4.—Business is fair. Bromide salts are 20c. per lb. lower, potassium crystals having been reduced to 75c., granular to 70c., ammonium to 70c., sodium to 65c., and strontium to 65c. per lb. Acetanilide is cheaper at 65c., phenacetin has been reduced to \$2.30, and citric acid to 80c. Balsam tolu is lower at \$1.10, and balsam Peru has declined 15c. to \$4.60. Menthol is dearer at \$6.25 per lb.

ACETONE is offered at 110*l.* to 115*l.* per ton for B.G.S. in drums.

AGAR-AGAR is dull of sale, No. 1 Kobe strip offering at 2s. 6d. per lb., and No. 2 at 2s. 4d. on the spot. The exports from Japan during April amounted to 174,332 kin, valued at 313,652 yen. During the four months ended April 30 they were as follows :

| | 1918 | 1919 | 1920 |
|---------|-----------|---------|---------|
| Kin ... | 1,355,571 | 698,924 | 520,367 |
| Yen ... | 1,355,612 | 889,041 | 850,103 |

ALBUMEN.—Sales of prime Chinese egg have been made at 4s. 4d. to 4s. 6d., being 3d. per lb. dearer. For August-October shipment sales have been made at 4s. 4*1*/₂d. to 4s. 6d. c.i.f., with 4s. 9*1*/₂d. c.i.f. quoted.

ALMOND OIL.—The English pressers of B.P. have reduced their price to 3s. 3d. to 3s. 4d. per lb., the lower quotation being for 1-cwt. lots.

AMIDOL (British make) is unchanged at 1s. 6d. per lb. in cwt. lots.

AMMONIA SULPHATE is in fair request at 24*l.* per ton for home trade August, 24*l.* 10*s.* for September, 25*l.* October, 25*l.* 10*s.* November, 26*l.* December, 26*l.* 10*s.* January, 27*l.* February, and 27*l.* 10*s.* for March-May 1921 delivery. Export prices are August-December 37*l.* f.o.b. for the British Colonies and 40*l.* to 45*l.* f.o.b. for other countries.

ANISE.—Business is passing in Russian at about 86*s.* per cwt., being steady.

ANTIMONY.—Chinese crude is very slow but steadier, holders not being anxious to clear the limited number of parcels available at anything under 42*l.* per ton, and to arrive 40*l.* to 41*l.* c.i.f. is quoted. Cheap offers of regulus continue to be made at about 48*l.* c.i.f. to arrive. Owing to the renewed sharp advance in the price of silver, China is less anxious to sell, while production is still very limited.

APOMORPHINE.—Makers quote the hydrochloride crystals at 48*s.* per oz., which is slightly easier.

ARSENIC.—The paucity of supplies tends to keep the market in a firm condition, and best white Cornish commands 74*l.* to 75*l.* per ton delivered London. The latter figure is more representative of the market, while even higher figures are obtainable in the Provinces.

ASPIRIN can be had at about 5*s.* per lb., but demand is extremely quiet.

BROMIDES.—The American makers have reduced their prices by 20c. per lb. (see New York cable), which brings the quotation to what second-hand sellers were asking on that market. It appears that there are large accumulations in U.S. both of domestic and imported, and further offers of foreign were being made at lower than the American makers. This reduction does not affect the British market, which, together with Hamburg, are the cheaper sellers.

CAMPHOR (REFINED).—Japanese 2*1*/₂ slabs have been quiet, with spot sellers at 6*s.* 9*d.* per lb., and July-September shipment at 6*s.* 3*d.* to 6*s.* 6*d.* c.i.f.

CHRY SAROBIN is slightly easier, makers quoting 15*s.* per lb.

CIVET of good quality is scarce and dearer, with first-hand importers giving 26*s.* per oz. as the price.

CLOVES.—Zanzibar are dearer, with spot sales of fair at 1s. 3*d.* to 1s. 5*d.* per lb., and October-December delivery at 1s. 4*1*/₂*d.*

COD-LIVER OIL is in fair consuming demand, finest new Norwegian medicinal oil selling at 295*s.* per barrel ex wharf London and 285*s.* c.i.f. London.

COPPER SULPHATE.—There is not the least sign of any improvement, and the tendency has continued in buyers' favour in spite of the recent constant advance in the cost of the metal. Makers are therefore most unfavourably situated, while the increased disposition to pick up business for export at "cut" rates has presumably aggravated the slackness of the demand. Terms are rather wide, but where business is being done low figures have been taken down to 42*l.* less 5 per cent., and even less f.o.b. Liverpool for casks. American competition in the overseas markets has played a certain part this year. Very considerable quantities have been used for the spraying of the vineyards in Switzerland, and there is some complaint as to the result, it being suspected that the quality of the sulphate used was not what it should have been. So far as can be gathered, a good deal of the product imported by the Swiss authorities came from America.

COUMARIN is easier, dealers offering at 32*s.* 6*d.* to 34*s.* per lb.

CREAM OF TARTAR continues extremely quiet at 270*s.* per cwt. for 99-per-cent. powder.

DILL-SEED is dearer, with business at 17*s.* per cwt.

DIPHENYLAMINE has continued in fair demand, the spot price being about 4*s.* 9*d.* per lb.

EGG PRODUCTS are dearer to the extent of 2*s.* 6*d.* to 5*s.* per cwt. on the spot, with sales of old season's at from 77*s.* 6*d.* to 80*s.* per cwt. Afloat and August-October shipment has been sold at 92*s.* 6*d.* to 95*s.* c.i.f. for new, the closing value being 97*s.* 6*d.* Dried yolk is 9*d.* per lb. spot; sprayed whole-egg, 1*s.* 9*d.*; and native dried whole, 10*d.* spot.

EMETINE SALTS are easier in view of the weaker feeling in ipecacuanha, makers quoting emetine bismuth iodide at 67*s.* per oz., emetine pure at 6*s.* per gram, hydrobromide at 4*s.* 6*d.*, and hydrochloride at 4*s.* 9*d.* per gram.

ERGOT.—The *Lizzie*, from Lisbon, has brought 57 bags.

FARINA is dearer, with spot sales of Japanese No. 1 at 28*s.* 6*d.* to 31*s.* per cwt. To arrive, sales include afloat

at 30s. 6d. and August-October at 29s. 6d. per cwt. c.i.f. Sweet potato flour is 30s.

FENUGREEK-SEED is firm, with business at 12s. per cwt. for fair Morocco, but holders are now asking 12s. 6d.

FORMALDEHYDE is steady at about 33s. per cwt. for 40 per cent. in barrels.

HEXAMINE is steady at about 16s. per lb.

HYDROQUINONE is steady at 9s. 6d. to 10s. 6d. per lb., according to quantity.

LEAD PRODUCTS.—Chiefly in consequence of the renewed substantial rise in the price of pig lead, the market for all lead products is very firm, and in accordance with the recent revision, prices stand as follows: Dry white lead for export, 64s. 15s. per ton f.o.b. and 65s. 15s. for home trade, while white lead in oil for export is 73s. 10s. f.o.b. Red lead and litharge for less than five tons stand at 60s. 15s. and for five tons and over 59s. 5s., both for export and home trade. A further advance is talked of.

LITHOPONE is slightly easier, 30 per cent. white offering in casks at from 52s. to 54s. per ton c.i.f.

LYCOPODIUM has a firmer tendency, offering at from 14s. to 14s. 6d. per lb.

MENTHOL is dearer, a very fair quantity having been disposed of, comprising Kobayashi-Suzuki at 32s. to 35s., the latter being the price paid on Wednesday afternoon; sellers of July-September shipment quote 32s. c.i.f.

METOL (British make) is quoted at 20s. per lb. in cwt. lots.

MUSK is stated to be scarce and dearer. For first pile, thin-skin blue Tonquin pod, 180s. per oz. is quoted.

PARANITRANILINE of British make for September delivery (m.p. 145-147°) is quoted at 8s. 9d. per lb.

PEPPER is firm, with spot sales of fair black Singapore at 6s. per lb. The sales to arrive include June-August 6s. and October-December at 6s. per lb. c.i.f. Lampong is 6s., Tellicherry 8d., and Aleppy 7d. per lb., all spot. White pepper is also firm, with spot sales of Muntok at 1s. to 1s. 0s. per lb., and for August-October 11s. c.i.f. has been paid. Sellers of Singapore quote 11s. per lb. A very fair quantity of pepper has been shipped to the United States.

PHENACETIN is about steady at from 14s. 6d. to 15s. per lb.

PHENAZONE is steady at about 20s. per lb.

PIMENTO is quiet, with spot sales at 4d. per lb. and sellers.

PLATINUM.—The chief importers are asking 21s. per oz., and there is a fair business doing between dealers and consumers. The aspect of the market is very uncertain.

POTASH CHLORATE.—Crystals offer at 10s. and powder at 10s. per lb.

POTASH IODIDE.—The exports from Japan during April amounted to 1,194 kin, valued at 10,625 yen. During the four months ended April 30 they were as follows :

| | 1918 | 1919 | 1920 |
|---------|---------|---------|--------|
| Kin ... | 65,651 | 28,850 | 7,195 |
| Yen ... | 397,674 | 187,255 | 64,763 |

Of crude iodine, 229 kin., valued at 2,288 yen, were exported during April, and the exports for the four months ended April 30 were :

| | 1918 | 1919 | 1920 |
|---------|---------|--------|--------|
| Kin ... | 25,327 | 10,090 | 1,530 |
| Yen ... | 156,552 | 62,328 | 16,119 |

PYROGALLIC ACID is steady, with resublimed offering at 12s. to 13s., and crystals at 11s. 6d. to 12s. 6d. per lb.

QUICKSILVER.—The tone has been quite firm, prices varying from 20s. 10s. to 21s. per bottle. There is no pressure of offers, while second-hand offers outside of Spanish are being steadily absorbed at 20s. and upwards. Small parcels were recently reshipped to this side from the Far East.

QUININE SULPHATE from second-hands is quoted at about 4s. 6d. per oz. Arrivals aggregating 420,000 oz. have taken place from Java.

SACCHARIN is selling at from 24s. to 27s. per lb. in bond, according to quantity.

SALICYLATES.—Salicylic acid is offered at about 3s. per

lb. upwards, and sodium salicylate powder at 4s. 3d.; physiologically pure crystals can be had at 4s. 9d.

SHELLAC has been a holiday market, with small sales of usual standard TN Orange quality at the steady rate of 67s. per cwt.; cakey AC Garnet is quoted at 580s., GAL 550s., and IG 530s. Prior to the holidays a few sales of TN for August delivery were made at 640s. to 630s., and October at 530s. to 575s. to 565s., and these prices have since repeated.

SILVER NITRATE.—The prices quoted for crystals on August 4 are based on a metal price of 57s. per oz., and are as follows: In quantities of 50 oz., 3s. 5d.; 100 oz., 3s. 4d.; 250 oz., 3s. 4d.; 500 oz., 3s. 3d.

SODA HYPOSULPHITE is firmer at 42s. to 45s. per cwt. in ton lots for pea crystals.

SODA NITRATE.—Ordinary is quoted at from 24s. to 24s. 10s. per ton, and refined at from 24s. to 25s. ex wharf London, and Liverpool is 24s. to 24s. 10s. in single bags.

SODA PRUSSIATE is dull and easier at from 1s. 5s. to 1s. 6s. per lb. for prompt and forward delivery in casks.

SODA SULPHIDE continues scarce, and for prompt delivery 62s. to 65s. per ton is quoted for 60 to 62 per cent. concentrated in casks.

TARTARIC ACID is offered at 3s. to 3s. 2d. per lb. on the spot.

TURPENTINE.—There was a further considerable fall in the latter part of last week, especially in spot delivery, owing to the fact that heavier supplies are coming along from America, and the discount on forward positions has been reduced almost half-way compared with what it was a fortnight ago. This reaction should prove of a more permanent character. Prices are still too high to induce much buying by consumers. The renewed setback has been the more significant in view of the lower American exchange of the sterling. The outlook, however, is uncertain, as manipulation plays an important part. The spot price closed on Wednesday at 16s. per cwt.

VANILLIN.—Value is somewhat nominal at about 65s. per lb., buyers' ideas of value being slightly less.

WAX (VEGETABLE).—Japanese is steady, with spot sellers at 110s. per cwt. The exports from Japan during April amounted to 27,917 kin, valued at 14,181 yen. During the four months ended April 30 they were as follows :

| | 1918 | 1919 | 1920 |
|---------|-----------|---------|---------|
| Kin ... | 2,317,019 | 483,954 | 304,894 |
| Yen ... | 773,472 | 159,843 | 163,386 |

Fatty grey Carnauba wax is quoted at 240s. per cwt. on the spot.

WOOD OIL.—The exports from Hankow in 1919 exceeded all previous records, being 177,000 barrels. The price ruling for Hankow is 105s. and Hong Kong 102s. per cwt.

Essential Oils Market.

SIGNS of an improvement in business are still lacking, and buying is for the most part of a retail description. Star anise is steady; bay and bergamot are nominally unchanged. Caraway and ea-sia show no further recession from previous quotations. Ceylon cinnamon-leaf is steady, and etronella continues quiet. Juniper-berry is lower, and geranium oil is unchanged. Spot quotations for lemon show considerable variation; lime is nominal. There is no change in the price of Japanese mint, but patchouli is dearer, and forward quotations for palmarosa appear to be firmer.

ANISE, STAR, is quiet, the spot value of "Red Ship" brand being 4s. to 4s. 1s. per lb., and for July-September shipment 3s. 10s. per lb. e.i.f. is quoted.

BAY.—There appears to be very little business passing, and spot holders quote about 30s. per lb.

BERGAMOT.—Moderate business is reported, and nominally the spot price appears to be in the neighbourhood of 35s. per lb. for 37-38 l.a., with dealers in some directions willing to shade considerably.

CARAWAY has been inquired after this week, and for prompt shipment 11s. per lb. is quoted for rectified and 10s. for crude.

CASSIA.—For 80 to 85 per cent. c.a. the spot price is steady at 7s. 9d. per lb.

CINNAMON.—Ceylon leaf is obtainable at 10d. per oz. on the spot.

CITRONELLA.—Ceylon is steady at 3s. to 3s. 2d. per lb. for spot, but some dealers express doubt as to whether there is

any quantity available at the former figure. Java is unchanged at last week's figures.

CLOVE is steady at 14s. per lb. from English distillers.

JUNIPER-BERRY.—B.P. oil is lower at from 14s. to 16s. per lb., according to seller.

GERANIUM.—An interesting report of the position in France is given below. Spot holders quote 40s. to 41s. per lb. for Algerian and 42s. to 43s. for Bourbon.

LEMON continues to show considerable irregularity. Spot sellers of well-known brands say they are holding for 6s. 9d. to 7s. per lb., but the lower prices given last week are still reported. Forward quotations are unchanged in the neighbourhood of 7s.

LIME is nominal at about 7s. per lb. for West Indian distilled and 27s. per lb. for hand-pressed.

LINALOE.—Mexican wood oil is quoted at about 35s. per lb. on the spot.

MINT.—Japanese dementholised is steady, with spot sellers of Kobayashi-Suzuki at 8s. 9d. per lb., and Yazawa at 8s. 6d.

PALMAROSA nominally is unchanged at last week's quotations, but it appears that offers for forward shipment from the East are considerably higher, although it is not stated if business has actually been done.

PATCHOULI continues very scarce, and while spot holders claim to be sellers at 90s. per lb., business is said to have been done at 92s.

WORMSEED.—Spot sales are being made at about 52s. 6d. to 55s. per lb.

French Geranium and Lavender Oils.

The New York "Drug and Chemical Markets" (July 21) contains an interesting article on the French geranium and lavender oil market, based on an interview with Mr. Warren E. Burns, Vice-President of the Compagnie Morana, who has returned from a visit to the producing centres. Mr. Burns states that "The flower oil-producing centres of France are at present passing through an orgy of speculation as a result of the attempts of flower-growers and essential oil producers to drive prices skyward, which may eventually mean the loss of the now practically monopolised industry to the South of France. The efforts of everybody connected with the French industry to force prices to the very highest pitch possible has been effective in driving foreign consuming interests, particularly American firms, out of the market. They have very effectually brought down the prices in several instances by simply refusing to treat with the producers until the figures were brought within reasonable limits. Contrary to the shortage talk which has been spread broadcast throughout American markets, there is no scarcity of either geranium or lavender flowers. Plenty of oil is to be had also in the growing districts. The withdrawal of several American houses from the geranium oil market in France succeeded in bringing the price from 275 francs per kilo. down to 180 for Bourbon oil late in May. The producers and speculators at one time last month held African oil as high as 320 to 350 francs per kilo., which likewise elicited little interest among American buyers." Pure neroli was practically unobtainable in France, according to Mr. Burns, small lots which did change hands bringing between 7,500 and 8,000 francs per kilo. At the same time, 95 per cent. of the neroli shipped to America is not only being adulterated, but badly adulterated. The production of violet flowers was nil. For this reason there will be practically no natural violet products offered during the present year except stock held over from the production of 1919. The little that has been produced this year will be sold at fabulous prices. 120,000 francs per kilo. has been asked and obtained in Grasso for an *absoluto* violet-flower essence. In speaking of orange and jasmin flower crops and prices, Mr. Burns said:

"We have found upon careful investigation that in some instances this shortage in production was more apparent than real. Take, for instance, the production of orange-flower products. It will be almost impossible for the American perfumer to obtain what he needs during the coming year. The supply of orange flowers was plentiful, but through arrangements with friendly producing houses in Grasse certain large Paris perfumery houses were able to purchase practically the entire production of orange flowers. . . . The same methods will be used by certain Paris perfumers to obtain a monopoly upon the production of jasmin flowers during the coming crop. We have taken steps for the benefit of the trade to prevent this as far as possible without permitting our efforts in this direction to drive up prices to an unreasonable figure. The outlook for the jasmin flowers is very encouraging as to quantity. The outlook as to price is very bad from the standpoint of the consumer. The flowers are expected to sell at about 25 to 30 francs per kilo. against a price of 1 franc or less prior to the war. On account of these high prices of jasmin

flowers the price of jasmin concrete from pomade and flower oil will probably be from \$350.00 to \$400.00 per lb. Any jasmin products offered at less than this price from the 1920 crop must be looked upon with suspicion." In discussing the labour situation throughout the essential oil districts of Europe, Mr. Burns said that the situation was without question in bad shape. The unusual demands of the labourers are directly responsible for the unusually high cost of flowers to the distillers and pomade manufacturers. A male labourer is at present obtaining 12 francs per day where formerly he was perfectly content to work for 2.50 francs per day. Female labourers now receive 9 francs per day against a pre-war figure of 1.50 francs. The priees, however, are not the worst thorn in the side of flower-growers. Notwithstanding the high wages which the labourers are receiving, continual trouble is being encountered by their unwillingness to work the full number of hours per day. There is a shortage of labour in Southern France, and growers have with difficulty harvested their crops. The most peculiar feature of Mr. Burns' observations, however, was his telling of the manner in which the associations of flower-growers set their prices for the entire crop. The highest price which any factory makes to any individual grower for a lot of flowers at any time during the harvesting of the crop is the price at which all the factories must pay for their flowers at the end of the harvest. In discussing this feature Mr. Burns said: "The price of flowers is set in a peculiar manner. Practically all the growers belong to an association. This association compels the individual growers to deliver from year to year their flowers to the same factory to which they have been delivering flowers during the past ten to fifteen years. The flowers are not paid for by the factory until the crop is ended. At that time the association of growers sets the price at an amount equal to the highest bid received for flowers during the crop. The result of this has been to force the factories into closer co-operation, as any individual factory bidding for flowers to get more than their usual supply would only result in higher prices for everyone."

English Herb Crops.

Holland's Distillery (Essential Oils), Ltd., send us the following report on the Mitcham lavender and peppermint crops:

LAVENDER.—The cultivation has seriously diminished, and not more than 10 acres could be found in the whole of Surrey. The flowers are well forward and cutting has commenced for bunching. A few acres will, however, be left for distillation in about four weeks' time, but the oil will be exceptionally dear. A price of 300s. per lb. is mentioned, but at this figure the oil must go out of use. Nevertheless the flowers can be bunched and sold on the market at a price equivalent in value, and while this can be done the cultivation will be remunerative to the growers, who will continue producing.

PEPPERMINT.—The outlook is variable. Some of the fields, especially in the Mitcham district, look very promising. The new plants have made good progress, and look healthy and strong, with abundance of leaf. Other outlying districts have poor crops, very bare and thin. Some of the fields in the low ground had already developed "snuff," a disease which if allowed to continue will cause the leaf to drop. Generally speaking, however, the crop throughout is good, though small, and it only wants a few weeks' sunshine to bring the plants to perfection. The total yield will be about the same as last season, with a value slightly higher, due to advanced labour costs. The price will be in the neighbourhood of 100s. to 120s. per lb. for genuine English oil.

CHAMOMILE.—This is practically extinct. There is nothing cultivated now, and only a few stock bushes are to be seen.

Potter & Clarke, Ltd., report that the herb plants are healthy and free from blight, with every prospect of a good harvest. Rue, yarrow, peppermint, hyssop, marshmallows, celandine, and southernwood are a good crop all round. The first pickings of chamomiles are ready, and the flowers are large and of good colour. The demand for savino has disappeared; the remaining plants will be distilled in the autumn and cultivation abandoned. The experimental beds of stramonium have failed, owing to the seeds not ripening last year. Culinary herbs like sage, mint, thyme, and tarragon are a very good crop.

Seymour's distillery and herb farm at Holbeach, Lincs, write that the new plants of the peppermint crop are doing well, but the two-, three-, and four-year-old plants are somewhat rusty, and need sunshine to ripen them. The pony-crops are good, the heads being large.

J. & G. Miller, Mitcham, write that very little lavender is in cultivation, but what there is is in fine bloom. They have already bunched for market the major portion of the

wers, but there will be a small acreage left for distillation. They do not anticipate obtaining more than a dozen arts of lavender oil this season. With regard to pepper mint, they planted out several acres of new mint this spring which looks exceptionally strong and is well forward. The output this season will be about the same as last. Distilling will commence about the third week in August.

The Smyrna Black Band.

A Paris subscriber informs us that the Smyrna and Constantinople Black Band is again in operation, letters having been received offering opium and other products at impossibly low prices. They have found victims in the drug-de, and British firms are again warned of their operations. In one instance the bills of lading of an American line of steamships were forged even to the signature of the local agent. The supposed consignment was sold to a firm in France, and the documents passed through a bank with draft attached. It was only some time after the payment of the draft that the fact was established that no such goods had been shipped.

German Currency and Export Tax.

In order to ascertain the price in German currency of goods to be exported and invoiced in a foreign currency, the commissary for foreign trade has decided that the rate of exchange officially published in Berlin on Monday in "Berliner Börsen-Courier" shall be adopted as the basis for all calculations. In the case of currencies not dealt with at the Berlin exchange the quotations published by Siegfried Jonas' London rates of exchange issued on May in Hamburg shall be taken. The amount in German currency thus obtained in either case is then reduced by deducting 20 per cent., the resulting sum is rounded off, and is the amount to be stated in the declaration to the government for Foreign Trade for the purpose of levying export tax.

German Chemical Markets.

In German market reports which we publish at regular intervals have acquainted our readers with the almost general, and in some instances very considerable, fall in prices which set in a few months ago. This is the result of appreciation in the value of the German mark, which at the time of the Armistice was worth about 8d., and at the end of 1918 stood at about 4d.; during the year 1919 in the beginning of the present year it sank further, to the middle of March, when it had a value abroad of 1d. Since then it has appreciated remarkably, and stands at about 1½d.—still a long way from its nominal value of 1s. The first result of this appreciation was a flood of the German market with an immense stock of hoarded chemicals, purchased by people for a purely speculative purpose. The collapse in prices which followed resulted in practical stoppage of all business, only small amounts, sufficient to meet daily requirements, being purchased.

In the following table a comparison of the prices quoted at the beginning of April and those at the end of June is given, the amounts being stated in marks per kilo.:

| | April | June |
|--------------------------------|--------|--------|
| Acetyl salicylic acid | 152.50 | 122.50 |
| Acrylic acid | 86 | 71 |
| Acrylic acid | 170 | 130 |
| Acum | 3.25 | 2.75 |
| Acenazole | 210 | 320 |
| Acsmith subnitrate | 556.50 | 410.50 |
| Acstash bromide | 51 | 38 |
| Acda bromide | 50 | 38 |
| Acmon. bromide | 54 | 43 |
| Aclorel | 225 | 125 |
| Acinine hydrochl. Ph. Germ. V. | 2,160 | 1,760 |
| Acinine sulphate | 1,740 | 1,424 |
| Acaine hydrochl. | 10,000 | 8,000 |
| Acine phosphate | 11,200 | 8,000 |
| Acifeine | 850 | 800 |
| Acumarin | 850 | 600 |
| Acgent. nitr. | 880 | 520 |
| Acstash iodide | 850 | 313 |
| Acda iodide | 902 | 336 |
| Acloform | 1,093 | 423 |
| Acine resubl. | 1,090 | 367 |
| Acorphine hydrochl. | 8,050 | 6,050 |
| Acda bicarbonate | 0.81 | 1.10 |
| Acda salicylio. | 59 | 81 |
| Acenacetin | 650 | 525 |
| Acmercury | 150 | 65 |
| Acmon. chlor. technical | 5.50 | 8 |
| Acloil | 126.50 | 146 |
| Aclobromine | 1,220 | 920 |
| Acnilin | 2,000 | 1,500 |
| Acrtario acid | 100 | 50 |

Arrivals of Drugs, Chemicals, etc.

The following products have arrived at the ports named:

Liverpool

(July 3 to 17).

Iodine, 220 brls.
Magnes. chlor. (Holl.), 49 cks.
Pot. bichrom. (U.S.), 15 cks.
Pot. nitrate (Belg.), 150 bgs.
Soda sulphate (Fr.), 58 cks.
Sulphur (Sic.), 1,100 bgs.
Tartar, (Fr.) 550 bgs., (Sp.) 133 brls.
Tartaric acid, (Fr.) 10 cks., (Sp.) 15 brls.
Drugs, crude, etc.:
Calamus (Holl.), 20 bls.
Calumba (Zan.), 50 bgs.
Cocculus indicus (E.I.), 150 bgs.
Kola (W. Af.), 87 bgs.
Liquorice-paste (Smyr.), 38 cs.
Liquorice-root (Sic.), 42 bds.
Quillaia (S. Amer.), 348 bds.
Tamarinds (W.I.), 17 cks.
Gums, resins, etc.: (E. Af.) 525 bgs.; acacia (P. Sudan), 215 bgs.; copal (W. Af.), 104 brls.; gambier (S'pore), 2,000 cs.; resin (Fr.), 579 brls.
Oils, essential: (W.I.) 8 cs., (Sic.) 100 cs., (Sp.) 3 drms.; bay (W.I.), 2 cs.; lemon (Sic.), 22 cs.; linaloic (Vera Cruz), 36 cs.
Oils, fixed: olive, (Fr.) 237 cs., 181 cks., (Sp.) 7 cs.; palm (W. Af.), 9,951 cks.
Seeds: anise (Sp.), 30 es.; castor (S. Amer.), 1,184 bgs., 15 sks.; cotton, (S. Amer.), 30,176 bgs., (E. Af.) 3,961 bgs., (W. Af.) 1,041 bgs.; lin. (E.I.) 2,292 bgs.; palm kernels, 173 tons, (W. Af.) 87,569 bgs.
Spices: chillies (Zan.), 47 bls.; cloves (Zan.), 960 bls.
Waxes: bees' (E. Af.), 59 bgs.; paraffin, (E.I.) 6,320 bgs., 228 brls., (U.S.) 1,816 brls.

Hull

(July 3 to 12).

Alcohol, wood (N.Y.), 5 drms.; arsenic (N.Y.), 16 drms.; betanaphthol (N.Y.), 100 brls.; calc. acet. (Swe.) 196 bgs.; castor oil (Fr.), 25 brls.; copal (W. Af.), 19 cks.; drugs (Fr.), 42 bls.; gentian (Fr.), 33 bgs.; liquorice (Fr.), 31 bgs.; mercury (It.), 250 botts.; oxalic acid (Holl.), 16 cks.; palm oil (W. Af.), 2,198 cks.; pot. pruss. (Holl.), 8 cks.; resin (Fr.), 74 cks.; seeds: canary (Sp.), 140 bgs.; castor (E.I.), 6,263 bgs., (Port.) 130 bgs.; cotton, (E.I.) 52,571 bgs.; (Alex.) 122,580 cwt.; lin. (E.I.), 68,751 bgs., (R. Plate) 94,930 bgs.; palm (W. Af.), 19,616 bgs.; rape (E.I.), 7,018 bgs.; soya (Jp.), 36,059 bgs.; tartaric acid (It.), 164 brls.; turpentine (Swe.), 4 brls.; wax, paraffin (N.Y.), 204 bgs.

Manchester

(July 3 to 12).

Acetic acid (U.S.), 423 brls., 118 es.; betanaphthol (U.S.), 40 brls.; formaldehyde (U.S.), 303 brls.; lavender oil (Fr.), 6 es.; oxalic acid (Holl.), 37 cks.; soda bichrom. (U.S.), 113 cks.; soda chlorate (Belg.), 50 bxs.; soda nitrate (Fr.), 50 cks.; soda phosphate (U.S.), 70 brls.; tannic acid (U.S.), 20 es.; tartar emetic (Fr.), 18 es.; tartaric acid (Holl.), 28 es.; wax, paraffin (N.Y.), 1,056 pkgs.; zinc oxide (Antw.), 25 cks.

London

(July 19 to 26).

Alcohol (Natal), 200 drms.
Alcohol, butyl (Fr.), 46 cks.
Chemical products, etc.:
Antimony ore (Ch.), 1,500 es.
Antimony oxide (Fr.), 33 cks.
Argol, (Port.) 367 bgs., (Gre.) 308 bgs.
Arsenic, (S'pore) 151 es., (Port.) 23 brls., (Jp.) 100 pkgs., (Fr.) 25 cks., (E.Af.) 190 drms.
Barium chloride (Holl.), 65 cks.
Barvites (Germ.), 291 pkgs., 549 cks.
Benzoin acid (Can.), 32 brls.
Bismuth ore (Chile), 37 pkgs.
Bromide, potash (Germ.), 50 es.
Calc. borate (Chile), 6,395 pkgs.
Calc. chloride (It.), 51 brls.
Calc. citrate, (W.I.) 63 cks., 16 bgs., (Sic.) 334 brls.
Cinchonin (Germ.), 12 es.
Cream of tartar, (Sic.), 78 sks., (It.) 60 brls., (Sp.) 312 brls.
Fusel oil (Gre.), 40 cks.
Iodine (Jp.), 40 es.
Magnesite (Holl.), 100 bgs.
Milk-sugar (U.S.), 273 brls.
Naphthol (N.Y.), 237 bls.
Pot. sulph. (Holl.) 100 bgs., (Germ.) 250 bgs.
Quicksilver, (Ch.) 200 fl., (Holl.) 50 botts.
Soda bichromate (Denm.), 24 es.
Soda caustic (N.Y.), 227 drms.
Soda chlorate (Fr.), 100 cks.
Soda nit. (Chile), 11,082 pkgs.
Strontium salts (Germ.), 100 bgs.
Sulphur (Sic.), 1,924 pkgs. 500 bgs.
Tartar, (Sic.) 267 bgs., (Sp.) 49 brls., 20 cs.
Tartaric acid (It.), 200 brls.
Urotropin (Jp.), 10 pkgs.

Wine lees. (Port.) 24 bgs., (Sp.) 1,151 bgs., (Gre.) 590 bgs.

Zinc oxide (Belg.), 200 brls.
Drugs, crude, etc.: Roots (Sic.), 100 bgs.; leaves (E.I.), 5 bls.
Ambergris (W.I.), 3 es.
Buchu (Cape), 20 bls.
Camphor (Ch.) 214 es., (S.S.) 52 es., (Jp.) 350 pkgs., 50 es.
Cardamoms (Cey.), 66 pkgs., 6 es.
Cassia fistula (W.I.), 15 pkgs., 45 bgs.

Cinchona (Cey.), 150 bgs.
Cod-liver oil, (Holl.) 50 es., (Norw.) 608 brls.
Galls (Alex.), 179 bgs.
Hembane (Alex.), 157 bgs.
Ipecacuanha (S.S.), 12 bgs.
Kola (St. Vin.), 8 pkgs.
Liquorice (Sic.) 111 bls.
Menthol (Jp.), 405 pkgs.

Nux vomica (E.I.), 1,897 pkgs.
Olibanum (Belg.), 9 es.

Orange-peel (Sic.), 9 bls.

Patchouli-leaves (Penang), 25 bls.

Podophyllum (E.I.), 20 bgs.

Quillaia (Chile), 251 bls.

Quince-seed (Cape), 9 bgs.

Rhubarb (Ch.), 9 es.

Senega (U.S.), 6 bls.

Senna (Alex.), 30 bls.

Squills (Sic.), 10 bls.

Tamarinds (W.I.), 400 brls.

Turmeric (E.I.), 350 bns., 130 bgs.

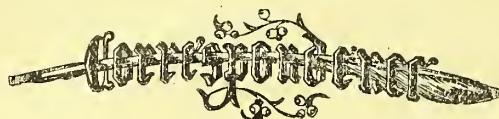
Egg products: albumen (Ch.), 159 es., 48 cks., 5 pkgs.; white egg (Ch.), 25 pkgs.; yolk (Ch.), 3,939 cks., 200 es.

Gums, resins, etc.: Copal (Belg.), 11 bgs.; damar (S'pore), 191 es.; lac (E.I.): button, 225 es.; shell, 3 bgs.

325 es., (Fr.) 150 es.; yacca (Anst.), 421 bgs.

Honey (W.I.), 13 pkgs.

Lime-juice (W.I.), 167 cks., 210 pkgs., 3 puns.



Proprietary Medicines Bill.

SIR.—I have just been reading with great interest your article (*C. & D.*, July 31, p. 56) on the Proprietary Medicines Bill. As you say, it wants vigorously opposing—in fact, the Bill is nothing but a public scandal. May I make a suggestion to help to oppose this? Why should not somebody have printed some large posters explaining the whole thing to the public and inviting people to sign a petition inside the shop? If every chemist displayed one of these posters and got his customers to sign, a huge petition would soon be gathered direct from the public themselves. It is no good chemists being sleepy-headed nowadays, or the Government will shut us up soon. Fifty per cent. of the public know nothing about these things, and when various Acts of Parliament come into force it is a bombshell to them. If, however, this matter were brought forward in the manner I suggest, and the public thought they were going to be done out of their favourite brand of medicine, which some have been using for years, there would soon be trouble. We all agree that certain things for female troubles should be prohibited, but as to other things, everyone holds the opposite opinion. I should be glad to contribute towards the expenses of printing, etc., of the poster to which I refer.

Yours sincerely,

H. L. (3/8.)

SIR.—As a recent recruit to the ranks of manufacturers of patent medicines, permit me to thank you for your able leading article in the current issue of the *C. & D.* You seem to have touched upon all the points connected with this Proprietary Medicines Bill. Perhaps I may be allowed to state my own experience? I am a qualified analytical chemist, and before placing my rheumatic ointment on the market I sought the co-operation of certain medical men, but in the end had to start on my own, receiving, however, helpful suggestions from them during my twelve months' research work in connection with it. As medical men have not the time to give to such research work, one of two things must happen if this Bill becomes law—abandonment or medical control of every proprietary medicine produced in the future. Consequently the output of such medicines will become so many medical "plums," the cost of which will constitute an extra charge on the actual producer. On the other hand, I must admit that the public would have the satisfaction of knowing that an advertised remedy has the backing of one medical opinion at least. In my view, the great evil of this Bill lies in the fear that it is but the thin end of the wedge, and that the ultimate consequences may be such as the promoters of the Bill never intended. I suggest that your editorial article be cut out by every manufacturer concerned and forwarded, with a covering letter, to his M.P. In regard to the patent-medicine stamp duty (*C. & D.*, July 31, p. 48), I should like to acquaint Mr. P. F. Rowsell, J.P., that, although not a member of the Manufacturers' Association, I opposed the recommendation of his Executive as to the incidence of the patent-medicine stamp duty on the ground of increased expense. The cost of production prevented me from bringing out an ointment at less than 3s., and the Executive's proposals differentiated against me and favoured smaller-priced medicines. To my mind, the present time of high prices (materials, advertisements, etc.) renders any agitation for alteration of the stamp duty inopportune, inasmuch as there are bound to be certain interests adversely affected by the proposed changes without any compensation in the way of decreased prices of materials, etc. I may say I give a good profit to retailers, so am not likely to come under the ban of the Proprietary Articles Trade Association in this respect.

I am, etc.,

TANNEX. (2/8.)

SIR.—While discussing the second reading of the Early Closing Bill—a measure which has brought untold facilities for rest and recreation to thousands of shopkeepers and assistants who previously had to work till 10 or 11 P.M.—a member of Parliament described the Bill as "a cruel attempt to use the mailed fist of the State to keep the little shopkeeper from earning a living." What then, should be said of the proposals of the Proprietary Medicines Bill, which not only tend to deprive the shopkeeper and the manufacturer of their living, but to interfere with the liberty of the subject in his choice of medicines as well? The chemist, as a rule, is not a supporter of the patent-medicine trade, as he recognises that in some instances it is merely a method of selling to the public familiar remedies at double prices, or of deluding the over-credulous sufferer to part with his money for some drug which could be obtained quite easily; but there are also many other proprietary articles which have been proved to be sound and of value to alleviate ailment and there are also the numerous simple cough, cold, digestive, and other remedies packed by pharmacists in their own specialities which cannot by any means be considered valueless. The fact, therefore, that the Ministry of Health has the power to add any disease to the list will renders it certain that in a short time after the passing of the Act the public will be unable to obtain any remedy at all, except at the hands of, or by a prescription from, a medical man; and the Bill will therefore first of all destroy the revenue obtained from patent-medicine stamps and licences; secondly, deprive the manufacturers of their business investments; thirdly, close the wholesale distributing agencies; fourthly, cut off the greater part of the income derived by newspapers from advertising; fifthly, take away a large part of the pharmacist's trade; and lastly, stop the public from purchasing household remedies. The fact that some proprietors make obviously absurd claims could have been dealt with separately, but it is an open question whether the Government itself, by insisting on the duty being paid when a cure is claimed, has not encouraged these dealers to claim anything and everything, secure in the fact that a Government stamp is to many people the assurance of their promises. Clause 9 (a) is so transparent that it would be ludicrous were it not so serious, and the most ludicrous part is that these self-same medical men have been in past the most strenuous advertisers of proprietary articles. It is impossible to go into any pharmacy where there is any quantity of dispensing done without finding a card board full of broken proprietaries, which have been obtained to dispense a small quantity for some script, and then never used again as the doctor has switched off on a new patent. Some practitioners have even insisted that the proprietary articles being dispensed in the original packages, for fear the wicked pharmacist might substitute his own make, and then when the patient prefers to purchase over the counter rather than pay a physician's fee to get an advertised remedy, they cry out about dangers of self-medication. It would be a good argument if pharmacists were to compile figures showing the percentage of proprietaries ordered in prescriptions. In the daily Press that the poor person is referred to a panel doctor—out of the frying-pan into the fire. The amount allotted to the Drug Fund being so insignificant that it was not sufficient for the purpose, the doctors now provided with formularies of cheap mixtures, so while in theory the patient can have any medicament considered necessary, in practice he is now nearly always given a formulary mixture to prevent a surcharge. In conclusion, I might point out that the next logical step for the Ministry of Health to take is to introduce additional measure to restrict the dispensing of medical prescriptions to those who have duly trained and qualified to do the work, and to provide that a professional should devote his attention to his professional work, not engage in retail business, such as the providing and charging for drugs, bandages, wool, lint, enemas, syringes, spectacles, etc.

Yours faithfully,

NON-PROPRIETOR. (31/)

Accuracy in Insurance Dispensing.

SIR.—Although for the moment at least I do not propose to take any part in the discussion on the recent paper

Mr. Anderson and myself on "Insurance Act Dispensing," I should like to correct two errors in your issue July 31 last. "Xrayser II," (p. 55) writes: "But if per cent. of error is allowed on the compounding, other 10 per cent. in the administration may seem equally negligible." The 10 per cent. allowance which was suggested by the Salford pharmacists, and agreed to by ourselves, was to include all errors whatsoever. In the letter of "Sempre Esatto" on p. 71 he takes it for granted that the two scripts for 10-grain quinine tablets are errors on the part of the practitioners. This is not so; scripts for 10-grain quinine tablets were sent out for specific purpose.

I am, etc.,

Municipal Laboratory, Salford. G. D. ELDON.

The Major Examination.

SIR.—Mr. Harold Wyatt's humorous remarks on the value of the Major examination (*C. & D.*, July 24, p. 102) mind one seriously that many employers would not engage a Major man, and some men when applying for certificates content themselves with owning to the Minor certificate only, although holding the higher one. The idea is that the Major man becomes too academic for counter-work, and some of them, unfortunately, do consider that they are superior to the daily household duties commonly relegated to the employé in pharmacy. I must say that I cannot see the advantage of the Major from a business point of view. The Minor certificate is sufficient to enable a man to keep open shop for the purposes of the Pharmacy Act, and it follows, therefore, that a successful candidate has been examined and found competent in the necessary subjects; that being so, the further examination is superfluous. To have made the matter consistent, there should have been three grades, with one examination to qualify each, the Preliminary for the apprentice, the Minor for the assistant, and the Major for the master pharmacist; then there would have been no overlapping or duplicating the qualification. To render the anomaly still more ludicrous, the Major examination, which entitles one to get the title of pharmaceutical chemist, contains no chemistry in the syllabus, but is made up of scientific subjects pure and simple, unless we count the mention of tests for B.P. preparations; but with the exception of volumetric analysis and the histological work in materia medica, there is not a great advance on the Minor. Why include a practical pharmacy subject going more closely into the making of galenical preparations, the manufacture of which the present-day apprentice or student rarely sees?

Yours faithfully,

MINORCA. (24/7.)

Wages in Pharmacy.

SIR.—Referring to the first paragraph in Observations and Reflections (*C. & D.*, July 24, p. 75), may I be allowed to point out that the proposed standard for apprentices' wages is not necessarily a maximum? So far as I understand, the new scale is to be a minimum, and when an employé is worth more than the minimum, the employer appreciates that fact, there will be a desire to increase the employé's wage. Thus there will always be an incentive to urge the employé to further effort, while at least a living wage will be assured to those who are training or have qualified in pharmacy.

SCOTUS. (24/7.)

Insurance Patients' Medicine.

SIR.—In the reply to "Dispenser" (*C. & D.*, June 5) it is stated that it has been ruled that if a panel doctor wishes to obtain his medicine by paying for it he has the liberty to do so. If, however, a customer has had a medicine dispensed on the panel and requires it to be repeated without again visiting the doctor, is it permissible to do so and charge for it over the counter?

Yours faithfully,

PAYMENT. (199/6.)

Dispensing Difficulties and Notes.**Calomel Tablets.**

K. I. (28/7) writes: "Is it safe to dispense calomel tablets to be taken along with mixture containing potass. iodide or potass. bromide? I have a fear that the calomel is raised to the mercuric condition by the action of the iodide or bromide, which would be dangerous."

[There does not appear to be any objection to the administration of calomel tablets concurrently with potassium iodide or potassium bromide, neither potassium salt being an oxidising agent. Even in the improbable occurrence of some mercuric salt being formed, it would promptly enter into combination as a double salt with either the potassium iodide or potassium bromide, whichever the patient happened to be taking at the time. Such double salts are admissible in larger doses than the single salts involved, so we believe you need have no fear of dangerous results ensuing from the procedure indicated.]

A Gelatinous Mixture.

C. G. (28/6) writes: "Could you explain why the following mixture should become gelatinous after having been made only a month?"—

| | | | |
|-------------------|-----|-----|---------|
| Quin. sulph. | ... | ... | 12 gr. |
| Glycerin. | ... | ... | ½ oz. |
| Liq. ferri perch. | ... | ... | 2 dr. |
| Chloroform. | ... | ... | 12 min. |
| Aq. ad | ... | ... | 6 oz. |

There was slight cloudiness, and the consistency was that of syrup. After filtering, about $\frac{1}{2}$ oz. of a mucus-like substance remained, the filtrate being bright, and in colour and taste much like the original preparation. I have not noticed any such change before, and think this matter rather unusual."

[The change in the mixture may have been induced by one of two conditions: (1) A deficiency of acid in the solution of ferric chloride. Solution of ferric chloride varies, we have found, in its content of free acid. The quinine sulphate in the mixture appropriates sufficient of the acid to effect its solution and retains it at the expense of the iron, which may be left without enough to keep it in solution after the lapse of some time, and it will be precipitated as hydroxide in so fine division as to simulate a gelatinous condition. (2) The use of tap-water containing carbonates. In this case the mixture would become more muddy in appearance, and the change would occur sooner. The substitution of quinine hydrochloride for the sulphate—using one-tenth less—or the addition of a little hydrochloric acid would be on the line of preventing a recurrence of the trouble. The quantity of chloroform is considerably in excess of that required for preservative purposes. With us the mixture remains as bright as when first made—nearly a month ago.]

Strychnine and Ammonia Mixture.

SIR.—Will you kindly inform me if the following mixture should be dispensed, as it appears to me that the ammon. carb. precipitates the strychnine, which then dissolves in the ether, and this floating to the top may be dangerous in the hands of a patient who does not observe the "Shake the bottle" label?—

| | | | |
|---------------------------|-----|-----|-------|
| Liq. strych. | ... | ... | mvij. |
| Mist. stimulans, C.L., ad | ... | ... | ʒss. |
| Mitte ʒvij. | | | |

Mist. stimulans consists of ammon. carb. gr. iv., ether ʒx., aq. ad ʒss.

Yours faithfully,

A. THOMAS. (10/7.)

[The mixture may be dispensed without any fear of dangerous consequences in the direction indicated. The hydrochloride of strychnine is within the limit when precipitation occurs with ammonium carbonate in a mixture of such dilution. Even if it were precipitated as you postulate, and the alkaloid taken up by the ether, the ether is soluble in the water and does not float on the top; the ether, in fact, contributes to the safety of the mixture.

Ether B.P. is soluble about 1 in 10 of water. It is well to use a "Shake the bottle" label in a doubtful case, but such label does not appear appropriate on a water-clear mixture. We have known such a mixture so labelled brought back to the dispenser with an inquiry as to whether anything had been omitted, as there was nothing to be seen to require to be shaken up. We have had the mixture under observation for a considerable time.]

Legal Queries.

W. H. (30/7).—The sale of arsenical fly-papers must conform to the conditions of Part II. of the Poisons Schedule. (See *C. & D. Diary* 1920, p. 297.)

Cosmos (31/7).—A person who is not registered as a chemist may not sell cocaine solution for dental use unless he holds a permit. (See *C. & D. Diary* 1920, p. 296.)

N. P. L. (29/7).—The corn-cure label you send renders the preparation to which it is affixed liable to medicine-stamp duty. A powder stated to be for relieving pain would also be liable to duty.

E. L. L. (3/8).—A cocaine prescription must be signed by a medical practitioner with his full name. Your neighbour who accepted a prescription with the doctor's initials only and dispensed it was acting contrary to the Cocaine and Opium Regulation.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. W. A. (26/7).—WEAVER'S CHALKS.—The following represents the base of the crayons used for marking cloth, various colouring matters being added as required:

| | | | |
|-----------------|-----|-----|-----------|
| French chalk | ... | ... | 20 parts. |
| Pipeclay | ... | ... | 20 parts. |
| White curd soap | ... | ... | 6 parts. |

Add sufficient water to make into a stiff paste, then press into moulds and dry.

The colouring matters used are Chinese blue, Venetian red, Indian red, yellow ochre, and chrome yellow.

P. McH. (25/7).—As your previous communication was anonymous it was destroyed.

W. H. (30/7).—(1) NEURALGIA MIXTURE, P.F. 1:

| | | | |
|---------------------|-----|-----|-----------|
| Tr. gelsem. | ... | ... | 5ij. |
| Tr. card. co. | ... | ... | 3ss. |
| Quin. sulph. | ... | ... | gr. xxiv. |
| Ac. hydrobrom. dil. | ... | ... | 5ij. |
| Aq. ad | ... | ... | 3ij. |

Misce. Dose: 5j. in half a wineglassful of water every three or four hours till relieved; but more than four doses should not be taken in a day.

(2) COLD AND INFLUENZA MIXTURE, IV: *C. & D. Diary*, 1904:

| | | | |
|-------------------|-----|-----|---------|
| Pulv. tragac. co. | ... | ... | gr. x. |
| Ammon. carb. | ... | ... | gr. iv. |
| Sp. camph. | ... | ... | mv. |
| Tr. scillæ | ... | ... | mx. |
| Syr. tolu. | ... | ... | mxlv. |
| Chloroformi | ... | ... | mj. |
| Tr. aconiti | ... | ... | mij. |
| Aq. ad | ... | ... | 3j. |

Dose: 3ss-3j. o.m. 4tis horis.

(3) ESS. VANILLIN:

| | | | |
|--------------------|-----|-----|-------|
| Vanillin | ... | ... | 5vj. |
| Rectified spirit | ... | ... | 3xxv. |
| Dissolve, and add— | | | |
| Distilled water | ... | ... | 5x. |

W. S. (20/7).—BOOKS FOR EMIGRANTS.—Warwick and Tunstall's "First-aid to the Injured and Sick" (Wright, Bristol, 1s. 6d.), and Latham's "Dictionary of Medical Treatment" (Churchill, 6s. 6d.) are suitable.

K. & A. (27/7).—THE PRESCRIPTION PRICED according to the London Simplified System, corrected for the large quantities, is 7s. 6d., as follows:

| | | | | |
|-----------------------|--------|-----|------|-----------|
| Liq. strychnin. | ... | ... | 5j. | 1.0 |
| Syr. hypophas. co. | B.P.C. | ... | 3vj. | 32.0 |
| Syr. glycerophos. co. | Robin | ... | 3vj. | 43.0 |
| Container | ... | ... | 5. | 5.0 |
| Dispensing-fee | ... | ... | 9. | 9.0 |
| | | | | 90.0d. |
| | | | | (7s. 6d.) |

Your quotations for the cost of both syrups are higher than usually charged by the various wholesale druggists, the prices being 3s. 1d. and 4s. 2d. per lb. respectively. The charge you give as having been made by a company chemist is less than the net cost of material, exclusive of container.

W. J. C. (30/7).—CINEMATOGRAPH-THEATRE SPRAY.—See *C. & D.*, March 1, 1919, p. 72.

T. H. (29/7).—BRONCHITIS AND ASTHMA MIXTURE.—The formula for which you ask is as follows:

| | | | | |
|---------------------|-----|-----|------|--|
| Ammon. carb. | ... | ... | 5j. | |
| Ammon. chlor. | ... | ... | 5j. | |
| Ext. glycyrrh. liq. | ... | ... | 5vj. | |
| Inf. seneg. cone. | ... | ... | 5vj. | |
| Aq. chlorof. ad | ... | ... | 3vj. | |

Dose: 5ij.-5iv.

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| | | | | |
|-------------------|-----|-----|--------|------------|
| OLEI amygd. | ... | ... | 3iiss. | 16.0 |
| Liq. ammon. fort. | ... | ... | 3iiss. | 4.0 |
| OL. rosmarini | ... | ... | m50 | 3.0 |
| Alcohol | ... | ... | 3x. | 217.0 |
| Aq. mellis ad | ... | ... | 3xx. | 117.0 |
| Container | ... | ... | ... | 12.0 |
| Dispensing-fee | ... | ... | ... | 9.0 |
| | | | | 378.0d. |
| | | | | (31s. 6d.) |

It is interesting to note that the Government tax on the alcohol in this prescription is 7s. 5d.

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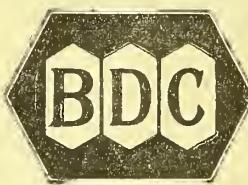
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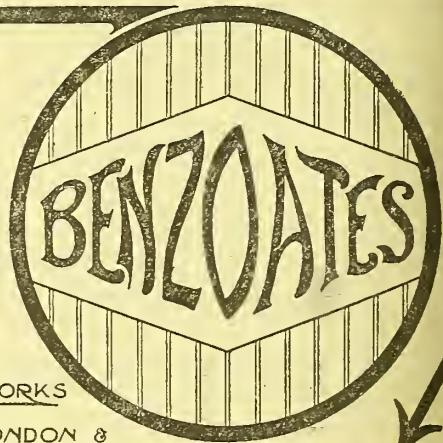
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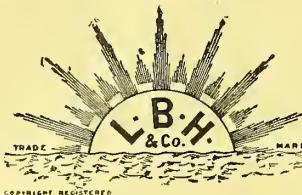
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Salicyl, 1 lb. @ 18/6 lb. [@ 18/7 lb.
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Price 4/- per box (powder)

.. 5/- (tablets)

FILUDINE

SPECIFIC FOR THE LIVER.

Malaria, Diabetes, Cirrhosis, Sluggish Liver, Tuberculosis, etc.

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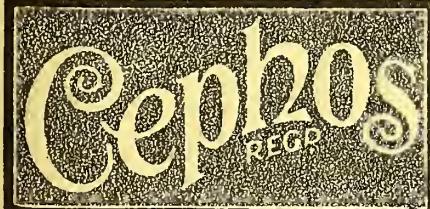
Telegrams: "URODONAL LONDON." Telephone: Regent 192.

AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W.

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For NEURALGIA, HEADACHE, RHEUMATISM and INFLUENZA.

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| Check Sponge Bags | Ladies' Ebony Hair-brushes |
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| Ebony Military Hair-brushes | Speciality: Handkerchief Puffs |

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6 LOVE LANE, WOOD STREET, E.C.2

33 $\frac{1}{3}$ %
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SEQUAREINE

Because Sequareine is the embodiment of a great scientist's discoveries.**Because** anxious sufferers in thousands are seeking real relief from the dangers of Neuralgia and nervous disorders generally.**Because** Sequareine is given consistent and effective publicity.

For these reasons the supply of Sequareine has for some time been behind the great demand. But full supplies are now assured, and all should make sure ample stocks are on hand. A new publicity campaign is about to be launched.

P.A.T.A. Prices: **Retail** Sequareine (Liquid) ... 5/- ... 45/- doz.**Wholesale** Tablets ... 3/- ... 27/- "

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Special terms to retailers: 5% discount on 3 doz lots.

SEQUAREINE, LTD., Albion House, 59-61 New Oxford St., London, W.C.1

Clarke's Blood Mixture.

WHOLESALE PRICES.

3/- size Clarke's Blood Mixture £1-7-0 per doz. £16-4-0 per gross net.
12/- " " " £5-8-0 " £64-16-0 " net.

Orders: Minimum Quantity £16-4-0 Value

Carriage paid upon orders of £100.

MINIMUM RETAIL SELLING PRICES 3/- and 12/-

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Sponges Cleaned While You Wait.

"SEPTAX" TOILET SPONGE CLEANSER

Absolutely Reliable. British Made.

In Boxes - - - 9/- per dozen
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Enough Powder in each box to clean 3 ordinary Sponges.

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(The World-Famous Corn Remover)

"Gets-It" is a liquid which
dries at once when applied to
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panies each bottle. Stops
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Proprietors of

**ROWLAND'S MACASSAR OIL
KALYDOR and ODONTO**

beg to give notice that their offices and warehouse are now at

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Rowland's Macassar Oil, being now on the P.A.T.A. list, is well worth the attention of the Wholesale and
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ALL REACTIONS of the Body Fluids and Tissues are COLLOIDAL.

"Collosols" are pure and stable colloidal solutions, isotonic and isomorphous with the elements of the body.

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COLLOSOLS

"Collosols" are tested by ultramicroscopic bacteriological and clinical experiment.

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Collosol Sulphur is not presented as a substitute for the Spa treatment of such affections where Spa treatment is available, but as a supplement to it. A course of treatment at a Spa can be followed up by the exhibition of Collosol should relapses occur.

For patients who are unable to take a course of Spa treatment, practitioners will find Collosol Sulphur invaluable.

It is prepared in five different forms—for external use and bath medication, for internal administration, for injection, and as a cream, with which the affected part is gently massaged. Also as an oil for the scalp.

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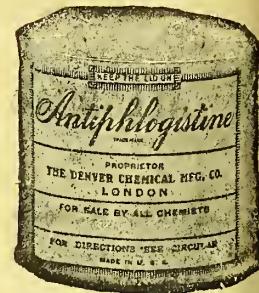
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IT NETS YOU

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Beecham's Pills :

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|--------------------|-----|-----|-----|-----|------------------------|
| 1s. 3d. size | ... | ... | ... | ... | 10s. 6d. per doz. net. |
| 3s. 0d. ," | ... | ... | ... | ... | 26s. 6d. " " |
| 5s. 0d. { new size | ... | ... | ... | ... | 50s. 0d. " " |

(contains double the quantity of 3/- box.)

Beecham's Cough Pills :

| | | | | | | |
|--------------|-----|-----|-----|----------|---|---|
| 1s. 3d. size | ... | ... | ... | 10s. 6d. | " | " |
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Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ltd., St. Helens."

The sale of Hood's Medicine is not huge but it is persistent. Once a customer always a customer, is more true of Hood's Medicine than almost any other medicine of its kind.

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NEW PRICES OF



Increased cost of manufacture compels a rise in the prices of "New-Skin" as follows:

| | Retail Prices | Trade Prices |
|----------------------------|---------------|---------------|
| Pocket Size 10 <i>½</i> d. | Corresponding | 8/5 |
| Medium " 2/- | Increase in | 19/2 |
| Physician's " 3/- | Trade Prices | 28/9 <i>½</i> |

£3 and upwards Carriage Paid.

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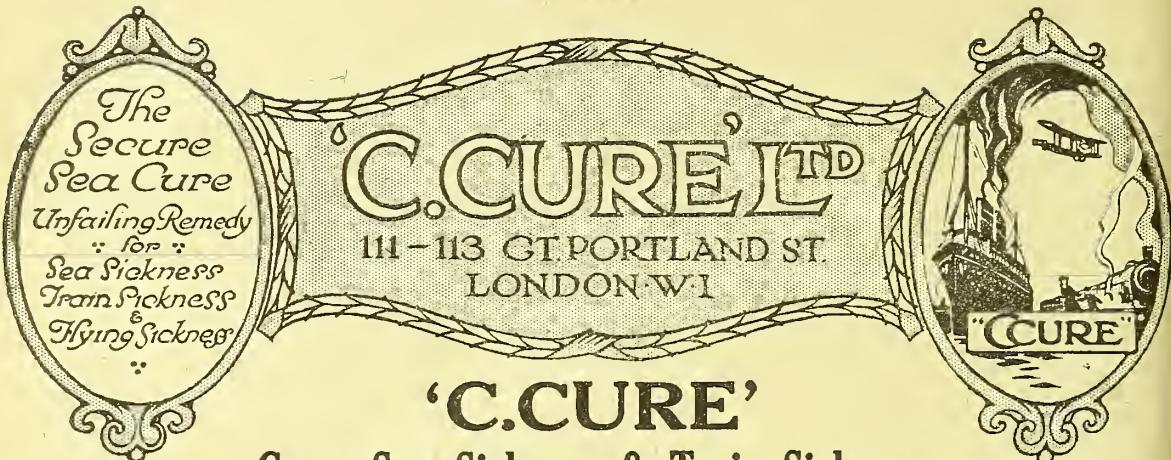
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The following revised prices are now in force:

| Advertised Price. | Minimum Retail Price. | Minimum Wholesale Price. |
|---|-----------------------------|--------------------------------|
| Large Contrexeville- Pavillon Water | 20/- doz. 79/- case | 16/- doz. 65/- case 50 |
| Small Do. Do. | 13/9 doz. 56/6 case | 11/6 doz. 46/6 case 50 |
| Large Vichy - Celestins Grand-Grille Hopital | 21/6 doz. 85/- case | 17/3 doz. 70/- case 50 |
| Small Do. Do. | 16/3 doz. 65/6 case | 13/6 doz. 54/- case 50 |
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Torch Brand Products:

1/9 Torch Warming Liniment 1/9 14/- doz.



'C.CURE'

Cures Sea Sickness & Train Sickness

MANUFACTURED WHOLLY IN GREAT BRITAIN OF BRITISH INGREDIENTS.

PROTECTED PRICES OF 'C.CURE' packed in aluminium boxes enclosed in decorated cartons.

LARGE SIZE, 8/- per box. Contains capsules for Four Journeys.

SMALL SIZE, 4/- per box. Contains capsules for Two Journeys.

Each box contains twice the value of any other sea-sickness remedy.

DISCOUNTS For quantities up to Six Dozen.
TO For quantities over Six Dozen and under Twelve Dozen.
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 Special Extra Cash Discount 2½%.

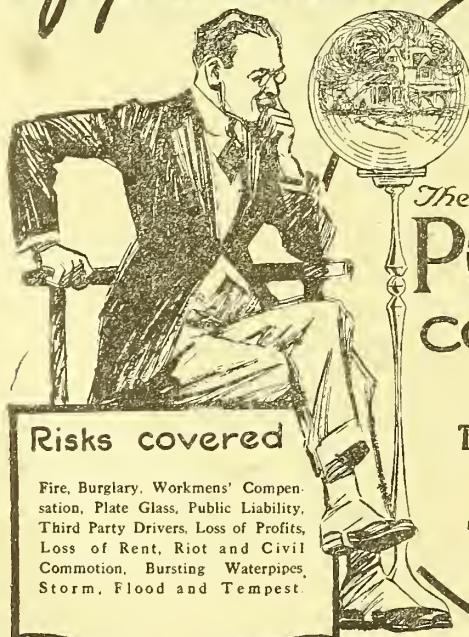
All accounts must be paid on 20th of month following date of invoice.

Correspondence invited from Wholesale and Retail Chemists in every part of the World. Correspondence in all languages. Apply to above address.

Telephone: 4510 MAYFAIR.

Telegrams: "CECURICO, WESDO, LONDON."

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you would know exactly what risks to insure against. Unfortunately, you can't; so be wise and take out one policy that will give you perfect security.

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SHOPKEEPERS' **POLICY**
COVERS ALL RISKS

Risks covered

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NEXT TEMPLE STATION, W.C.2.

Funds Exceed 2500,000

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COMPOUND SULPHUR TABLETS

Containing Sulphur B.P., Cream of Tartar, Refined Sugar, Orange Flavoured, Guaranteed Pure.

Packed in 7-lb. Counter Boxes **2/2** per lb.



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Antacid and Refrigerant

Packed in 7-lb. Counter Boxes **3/-** per lb.



“DETERGOL” An Ideal Antiseptic Deodorant

No. 1 - 7/6 per gallon. DISINFECTANT

Contains 20% more Cresol than any other similar preparation. Surgical Instruments can be safely sterilised and disinfected in a few seconds without danger of corroding by using “Detergol.” Used by the Medical Profession for fourteen years.

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For ordinary disinfecting purposes, miscible in water.



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HYDROUS AND ANHYDROUS, P.B.

NOTHING FINER ON
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*Samples and Quotations
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The Latest & Best.

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in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

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Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **British Manufacture**, and buyers may rely that for quality and price, it will meet any competition.

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Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

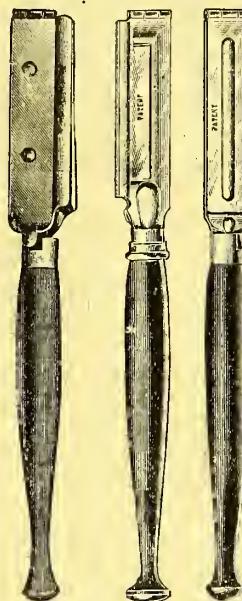
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WHITE OILS.
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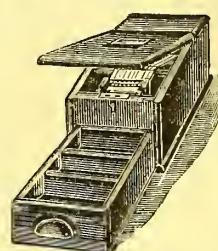
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This Till, though so inexpensive in price, does the work just as efficiently as one costing double the price. It is made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size: 18x9x7 $\frac{1}{2}$. Lid fitted with lock and key. Recording paper 2 $\frac{1}{2}$ " w de. Automatically rings warning bell every time cash drawer is opened. Price, packed in wood case, 77/6 each.

Sent on 14 days' trial on receipt of cash or two wholesale trade references.

Dudley Till Coils, 5/- doz



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The original and only reliable preparation for Cleaning and Polishing Cutlery, &c.

In Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.



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In Solid Blocks, 1d., 2d., and 4d. each, and 1s. Boxes.

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B.P. 70/80%.

FINEST QUALITY ON THE MARKET.

We advise you to buy your requirements **NOW** as further shipments are very difficult to obtain from Australia.

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"STERNS" B.P. Grade
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White, Yellow, Amber,
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ARE A SAFEGUARD AGAINST ALL

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For use in Hospitals, Nursing Homes, Private Dwellings, Public Institutions, and everywhere where large numbers of people assemble, Railway Stations, etc. etc.

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50times the concentration
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Soluble in
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BLACK FOR INK.**MARKING INK.****ETERNITE**A combined Stain and
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In 1/- Tins.

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**CARTWRIGHT'S
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A wonderful seller packed in waterproof boxes. The powder contains a Terpeneless Lemon and the necessary sugar. One packet makes one pint. Good window bills with all orders.

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**Soluble Essences are
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If not, you should take steps to procure one,
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Of all Wholesale Houses,
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(No Sugar required).

Secure **YOUR** Bonus Parcel To-day.**BONUS PARCELS.**

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| | | <u>£2 10 6</u> | 2 dozen 13d. | = | 1 1 0 | | |

(1 dozen 6½d. free in payment for display.)

(1 dozen 6½d. free in payment for display.)

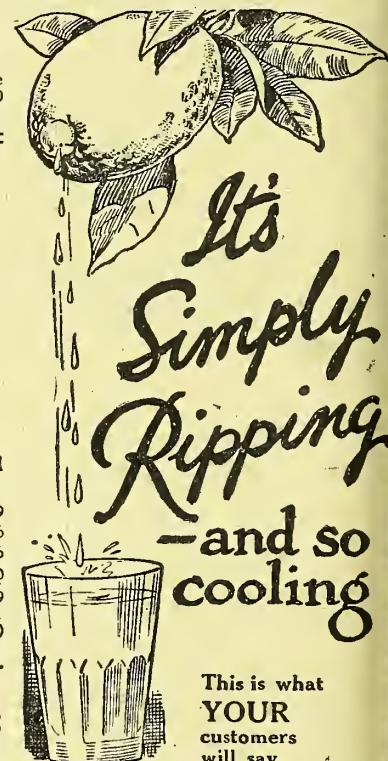
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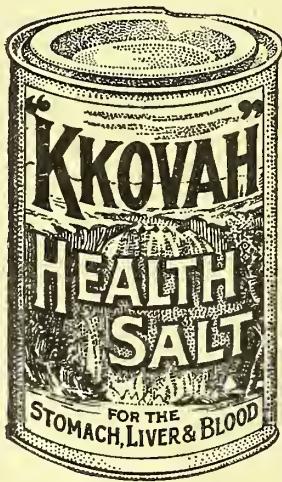
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Telegrams: "Cortlimon, Dept. London."

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YOUR
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Makes you fit—keeps you fit

We create the demand
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No trouble, no expense in handling, and no dead stock.

The demand for Kkovah Health Salt is increasing by leaps and bounds. Forceful advertising and sterling quality ensure a ready sale always, more particularly during the summer months.

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CARVER'S TONIC SALTS

A COMBINED NERVE TONIC AND BLOOD PURIFIER.

A Marvellous Corrective
of all Liver Troubles.

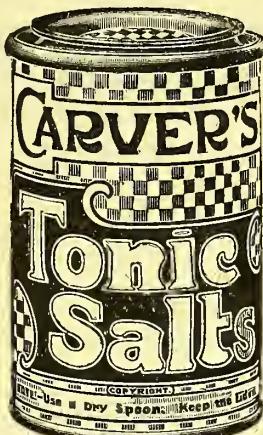
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Shows 50% Profit to you.

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Bonus of 5 %



A scientifically prepared
Effervescent Saline,
possessing medicinal
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the ordinary Health Salts

A FREE TIN

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Sole Proprietors—

4 oz. Size Retailed at 1/-

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LOSALL'S SALT

SELLS FREELY & READILY

PAYS 50% ON OUTLAY

An Infallible
Remedy for
GOUT,
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and
SKIN
AFFECTIONS.

P.A.T.A. Doz. Net.
1-oz. 1/- 8/-
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Bottles 2/6 20/-

The only line of its
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SOLD
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Manufactured by
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BRITISH and BEST of TABLE WATERS.

BURROW'S MALVERN WATER (still). The
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BURROW'S MALVERN WATER (sparkling).
The Natural Water simply Aerated.

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An Alkaline Sparkling
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For more than a quarter of a century, Abbey's Salt was a favorite Saline and enjoyed a wide sale.

During the war, it—in company with many other commodities—was almost unobtainable.

Supplies can now be had through

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1115

BISHOP'S Natural Fruit Saline. THE BEST SELLER.

This preparation, our latest Saline, made by our special process, without Sugar or Saccharine, is a unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught which acts as a mild but very thorough aperient, anti-acid and liver stimulant.

Bishop's Natural Fruit Saline is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

The Wholesale price is **20/-** per doz. On £5 lots, discount **10%**, and carriage paid.

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This ensures a profit of **9d.** per bottle to the chemist.

Prepared only by

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BRAND.

Health Salt

IN DECORATED TINS.

We are still offering for prompt delivery in quantities of 1 gross, at 7/6 per dozen. Smaller quantities at 8/- per dozen. This favourable price will only be possible until our present stock is exhausted.

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IN BULK, JARS OR TINS.

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If you do not yet stock it your wholesaler will supply you.

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Is it worth your while to increase your Sales by £2 14s. Od. a week, and your profits by nearly 20/- ?

M. I. M. will do this for you—customers tell us the sales are “wonderful,” and our repeat orders prove that this statement is not an exaggeration.

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“MADE IN A MINUTE.”

**LEMONADE
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Makes Half-a-gallon of
Refreshing Lemonade
by the simple
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**NO SUGAR
REQUIRED.**

Packets **4½ 1d.** each.

This small reproduction of one of our Window Bills tells the story of M. I. M.’s success.

One gross costs you **36/-** (less **5%** for cash in 7 days) and sells for **54/-**, giving a profit of **19/9**.

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Let us send you a trial gross. They will not become “dead stock.”

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Real Good Lines**Pumisope** "The Hand Cleaner."**Dry Cloth-cleaning Balls**
(All Colours)**Precipitated Chalk**
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(All Colours)**Magnesia, Rouge,**
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WHOLESALE: Write for QUOTATIONS.

"Comet"
Vacuum
FLASKS.

Every flask tested at the
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Tel. Add. : "AGENDA, CANNON, LONDON."

COMBS, Ivory, Small Tooth, 9/-, 13/6 doz.

„ Galalith White, 9/-, 12/- doz.
„ „ Black, 9/- doz.
„ Dressing (Horn), 5/6, 6/6, 10/6 doz.
„ Rakes, 3/- doz.
„ White Xylonite Dressing, 4/6,
9/-, 24/- doz.
„ Black ditto, 4/6, 8/-, 9/- doz.
„ Best Horn Dressing (8"), 27/- doz.

SPONGES, H.C., 4/6, 6/6, 9/-, 12/6, 18/-,
24/-, 30/-, 42/-, 54/-, 66/- doz.**ENEMAS**, Black Seamless, 27/-, 33/-,
36/- doz.**NAIL BRUSHES**, Wood Back, 6/6
and 9/- doz.**TOOTH BRUSHES**, (Bone), 4/6, 5/-,
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„ „ Celluloid, 7/6, 12/6, 16/- doz.

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Sundryman,
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We hold a large and varied stock of BATHING CAPS, BRUSHES, COMBS, SPONGE BAGS, SCISSORS, TRUSSES, etc. see illustrated Price List. Below are some of our well-known brands of AIR CUSHIONS, ENEMAS, HOT WATER BOTTLES and WATER BEDS, all guaranteed for 2 years.

AIR CUSHIONS

Fig. 1194.—The "Empire" red india-rubber Air Cushion, guaranteed for two years—

| DIA. | 14 | 15 | 16 | 17 | 18 | 19 | 20 in. |
|----------------|------|------|------|------|------|------|--------|
| Circular, each | 8/- | 9/- | 10/- | 11/- | 12/- | 14/- | 16/- |
| Square, " | 12/- | 13/6 | 15/- | 16/6 | 18/- | 19/6 | 22/- |

SEAMLESS ENEMAS

Fig. 987.—The "B.E.M." (best English make) with bone rectal pipe, etc.,

| | | |
|---|----------|------|
| complete in superior card box | per doz. | 29/- |
| " in leatherette dome-top case | " | 32/- |
| " extra large and stout, the finest article made | " | 36/- |
| 275.—Warne's, arabesque rubber, in leatherette case ... | " | 50/- |
| 988.—The "Empire," black polished, in card box ... | " | 28/- |
| " " " in oval leatherette case | " | 31/- |

All the above Enemas are guaranteed for two years

HOT WATER BOTTLES

One Quality Only—The Best. Guaranteed for two years.

| | SIZES | 6×8 | 6×10 | 6×12 | 8×10 | 8×12 | 8×14 | 10×12 | 10×14 |
|-----------------------------|-------|-----|------|------|------|------|------|-------|-------|
| " Empire" brand, heavy make | each | 4/- | 4/4 | 4/8 | 5/- | 5/6 | 6/- | 6/3 | 7/- |
| Plush Covers | ... | " | 1/5 | 1/8 | 1/10 | 2/- | 2/2 | 2/8 | 2/10 |

N.B.—Each Bottle in a strong paper bag with directions for using.

WATER BEDS

The "Empire" brand—guaranteed for 2 years.

| | | | | |
|-------|-----------------|-----------------|-----------------|-----------------|
| SIZES | 36 in. × 24 in. | 36 in. × 36 in. | 48 in. × 36 in. | 72 in. × 36 in. |
| each | 60/- | 90/- | 120/- | 160/- |

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RENÉ HEYMANS

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Vulcanite DOUCHE FITTINGS

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French CAPPING SKINS (opaque and transparent)

TOOTH COMBS

(Best Galalit)

POCKET COMBS

Cheap lines in NAIL FILES (bone and steel) carded.

SAFETY RAZORS and spare blades.

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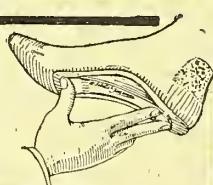
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And all kinds of Surgical and Hygienic Rubber Goods.

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There's a "SCHOLL" appliance for every kind of foot trouble. The appliances give instant relief and permanent correction in all cases of Weak or Flat Foot, Corns, Bunions, Weak Arches, and other forms of foot discomfort.



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Specialist, and
manufactured
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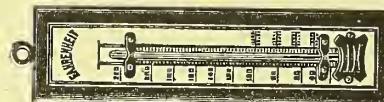
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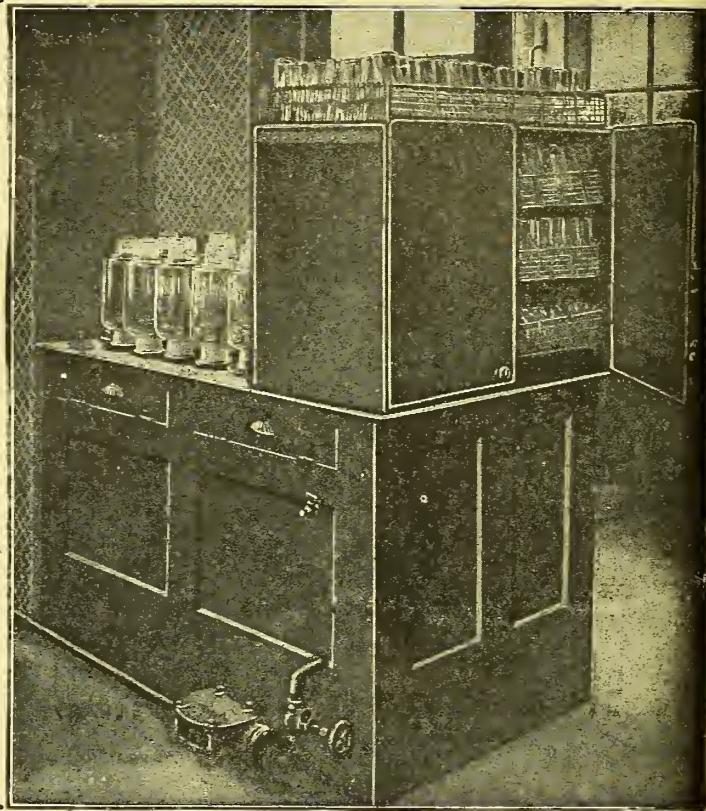
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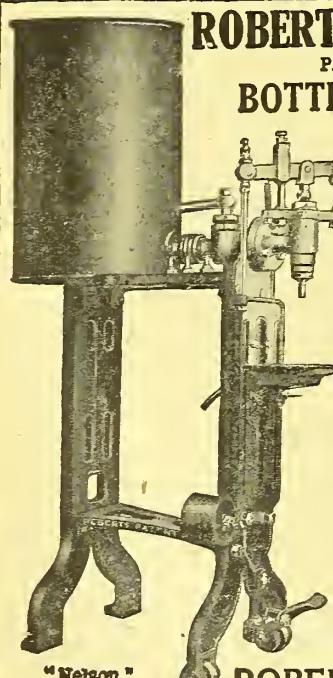
Telephone No.:
2920 City.

Telegraphic Address:
"Ventilabro."



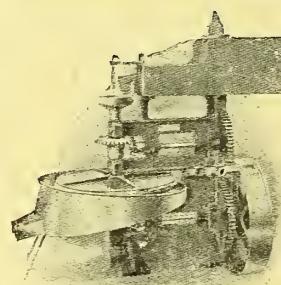
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OUR LATEST PATENT "ALPHA" PRICE £14, WILL
FILL 10 GROSS BOTTLES PER HOUR.
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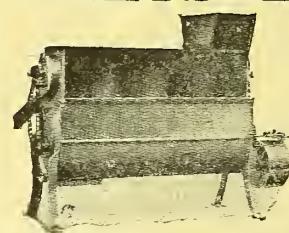
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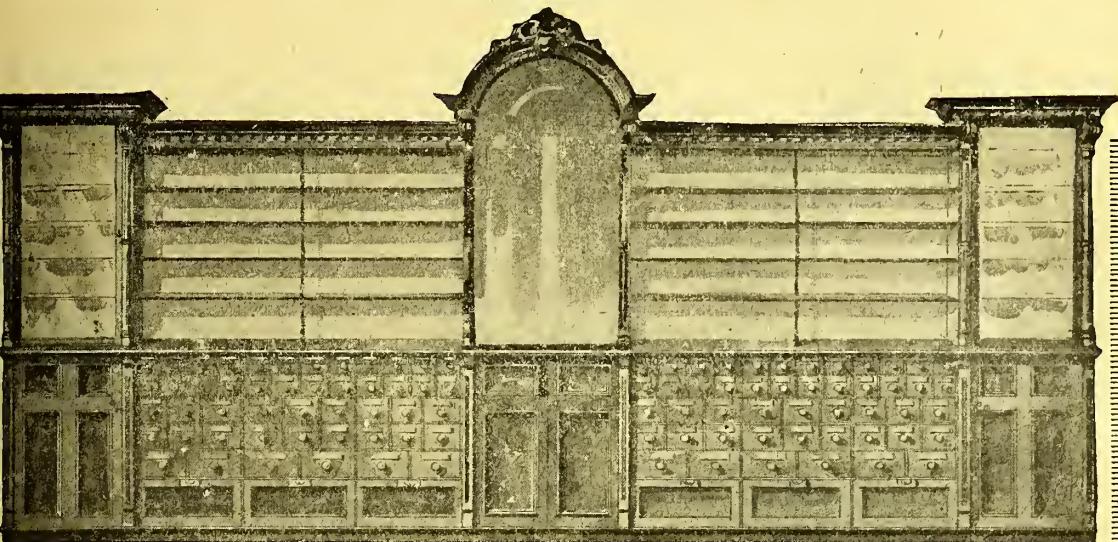
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For mixing a large
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Quick delivery.
Inquiries solicited.

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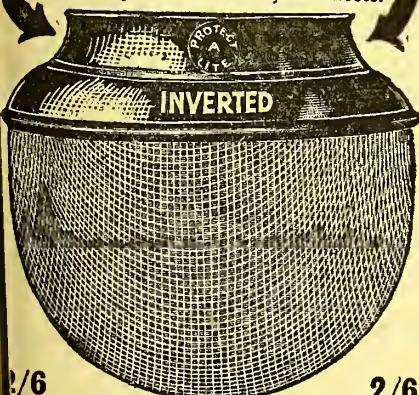


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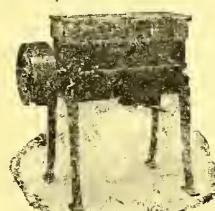
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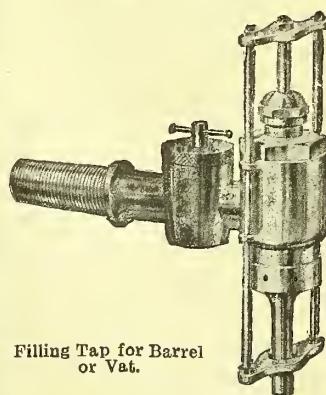
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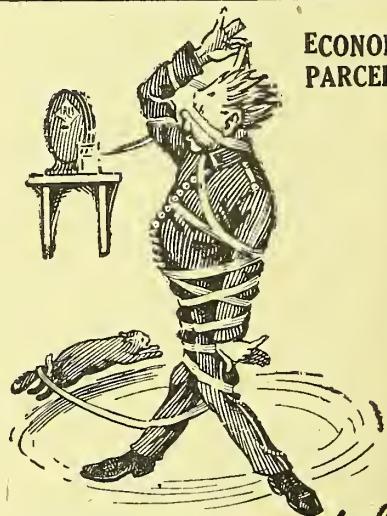
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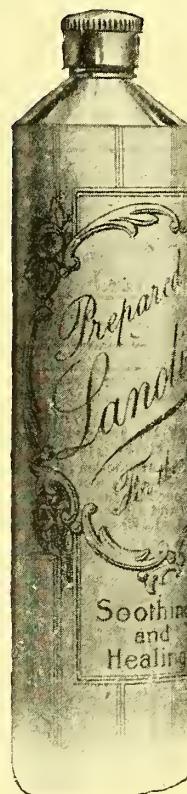
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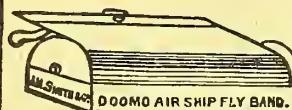


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100% profit P.A.T.A. is your
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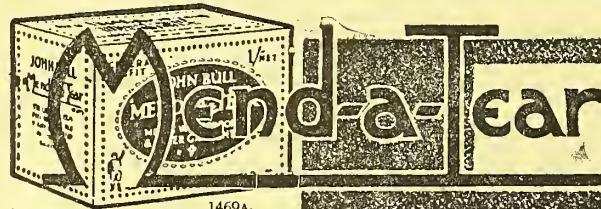
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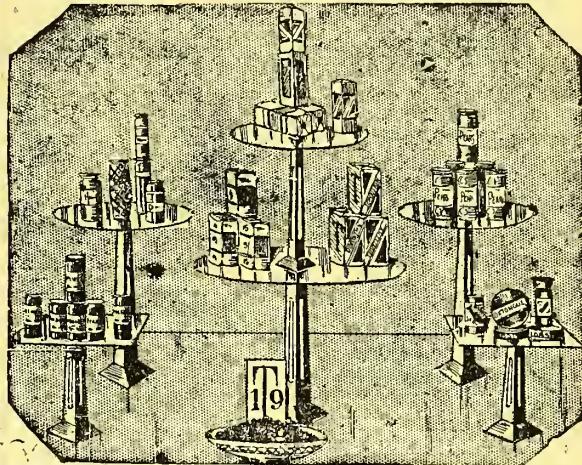
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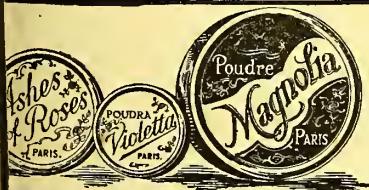
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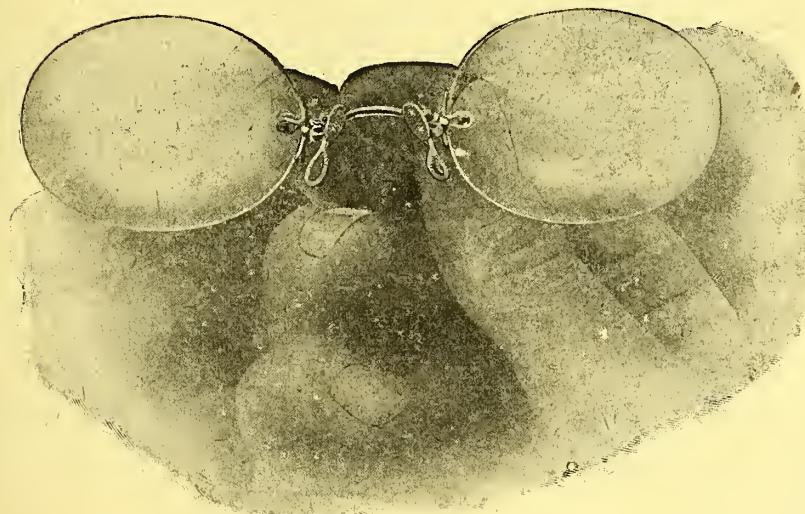
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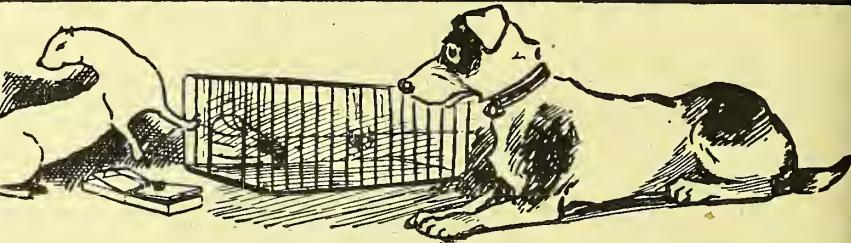
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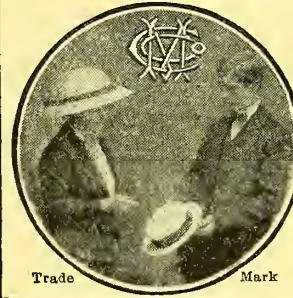
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LONDON, N.—Old-established, light cash retail, with good optical connection. Returns over £2,000. Good profits. Well-fitted pharmacy and fully stocked. Six-roomed house attached. Price £1,000, or valuation, *plus* £75 goodwill. Illness sole reason for selling.

BUSINESSES WANTED.

We have genuine cash buyers on our books prepared to take over immediately businesses in the following localities:

LONDON (good-class suburb).—Prices from £600 to £3,000.

HOME COUNTIES (large or small towns).—Prices from £500 to £2,500.

SOUTH, S.E., or S.W. COAST.—Prices, £800 to £3,000.

EASTERN COUNTIES.—Prices, £600 to £2,000.

SOUTH MIDLANDS OR MIDLANDS.—Prices, £500 to £3,000.

Intending vendors are cordially invited to correspond. Private register kept. Quick sales guaranteed.

ESTABLISHED 1870.

SOUTHALL BROS. & BARCLAY, Ltd.

(valuation and Transfer Dept.)

Special Terms for Probate and Trading Accounts, Income Tax, etc.

For particulars apply—

19, 20, 21 LOWER PRIORY, BIRMINGHAM.

FOR SALE.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of 1/-.

SURGICAL Instruments, including set of Midwifery Instruments, one Garwardine's Saccharometer (new), four Hypo Syringes, Throat and Nose Syringes, Ear Syringe, Scalpels, Trocars, etc., all in good condition, by Wood, Manchester; accept £4 4s. the lot for quick sale; absolute bargain. Phillips, 21 Claremont Street, Bristol.

SURPLUS STOCK.—Two gross, perfectly clean, Yardley's Oatmeal Soap; also Yardley's Shaving Cream in Tubes; no reasonable offer refused; carriage forward. Hanna, 70 Lower Mount Street, Dublin.

WHAT offers?—10 gross 4-oz. White Flint Flats, 8 gross 4-oz. Limes, 5 gross 6-oz. Limes. Crawford, 1 Dyers Buildings, London, E.C. 1.

6 DOZEN Enemas, clearing line from stock; enamelled, seamless; British make; largest and heavy make; complete in boxes, 27s. 6d. per doz., net cash; worth 48s. doz. James Tompkins, Ltd., The Rubber House, 386 City Road, London, E.C. 1. Established 1877.

STOCKTAKING IS NOW A BUSINESS NECESSITY

Write for Terms to

Ernest J. George

202 Birmingham Road,

(Thirty Years' Drug Trade Experience)

Walsall.

Chemists' Accountant, Valuer, Transfer Agent and Expert Stocktaker for Sale, Purchase Income Tax, etc.

Books Written Up. Balance Sheets Prepared. Prescriptions Priced.

PARSON C. BAKER

Pharmaceutical Chemist, M.P.S.

4 CYPRUS ROAD, CHURCH END, N.3

WM. ROOKE ROBERTS

M.P.S., F.S.

174 VICTORIA STREET, S.W.1.

Tel.: Victor

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet

Recommended by the British Drug Houses, Ltd., Meggeson, Ltd., Messrs Barclay & Sons, Ltd., and n

other leading Wholesale Houses.

Valuers to the Association of Manufacturing Chemists.

Make a Speciality of the examination and reporting to Vendors or Purchasers as to Value, Prospects, Condition, &c., on Moderate Terms.

Registers kept of Businesses for Sale. No Charge to Purchaser. Enquiries invited. Personal attention given in all cases.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of

A WORKING interest required in any branch of the Drug trade. 20 years' Retail, with some Wholesale experience; balance exchanged. Full particulars to 121/8, Office of Paper.

A DVERTISER, Chemist and Druggist, with sound experience in Wholesale and Retail, seeks partnership in a business in the North-East Coast district, with a view to ultimate purchase or extension; capital available immediately. Confidential strict confidence, 122/13, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of

A DVERTISER will purchase Chemist's Business, with house and garden attached if possible; neglected or country business not objected to. Apply Willmott (122/15), Office of this Paper.

A DRUG Store required; Midlands preferred, but not essential; one suitable for unqualified man; either lock-up shop or house; neglected business not objected to if position is suitable; particulars treated in strict confidence. Apply 119/23, Office of this Paper.

A REQUIRED, in healthy suburb about 30 miles from London, good-class Retail Dispensing Chemist's Business. Full particulars to Association of Manufacturing Chemists, Ltd., Kimberley House, Holborn Viaduct.

A GENUINE Light Retail Business wanted, where there is room for Dentistry; or would manage with view to purchase. Neglected Business no objection if house attached; cash available about £700. Full details to Amone, Smith's Bookstall, Stanton.

BUSINESSES FOR DISPOSAL.

or 50 words or less; 6d. for every additional 10 words or less, prepaid.

SHIRE (WEST).—First-class Dispensing and Retail business in high-class residential district; well-fitted shop, well-stocked; pair of dwelling-houses attached; private entrance; 1/2 acre, including property, £3,500. Apply David J. Lewis, Chambers, Birkdale.

H. WALES (lovely inland health resort).—Old-established Chemist's Business, well fitted and stocked, doing £3,000 (increasing); big profits; large 9-roomed house, bath etc., good warehouse, and yard; electric light; rent £50, £225 a year; best position in town; little opposition; N.H.I. if wanted; excellent opening Optics (Dentistry and agency just started); whole could be greatly increased; correctly kept; investigation courted; cash trade; lease if required; bargain £2,500 cash; proprietor (Englishman) would be willing to introduce and put into Dentistry if required; good disposal. Apply 164/16, Office of this Paper.

NT.—Old-established, unopposed Mixed Business (Drug, photographic, Stationery, and Tobacco); present returns £1,000 weekly, with scope for development; D.F. shop, in good condition; with six rooms and warehouse; electric light; bargain £1,500 cash; proprietor (Englishman) would be willing to introduce and put into Dentistry if required; good disposal. Apply 122/8, Office of this Paper.

FORDSHIRE (near Birmingham).—Chemist's old-established Business, in busy industrial town, for immediate disposal. N.H.I. (about 3,000 scripts annually), with excellent salaries; Extractions, Photographics, and other paying side-line; Counter-prescribing connection; opening for Dentistry; double-fronted shop; 5-roomed house and ample cellarage and all usual conveniences; overhead £1,000; profits average £360, increasing; about £500 re-principals only; bankers' references. Write 121/22, Office of Paper.

KSHIRE, West Riding, Residential District.—Well-established Chemist's Business; high-class Retail and Dispensing; remunerative investment; returns over £3,700, increasing; modern, handsomely-fitted shop; valuable lease, stock, fixtures and fittings; excellent modern house; full details to bona-fide purchasers only. Apply 121/14, Office of this Paper.

LIST'S Business for Sale; goodwill £300; stock at cost, and fixtures at valuation; good locality; no other Chemist within six miles; population 2,000; situated in Lyminge, Kent. Drug Stores. Lyminge, Kent.

Sale, in one lot, the entire Stock-in-trade (estimated net £2,000) of a high-class Pharmacy, with the exception of superior mahogany fixtures, fittings, glass wall and other helving, counters, etc., in fine condition, suitable for a dispensing counter; 32 ft. x 18 ft.; also the stock bottles and jars. R. Penrose Kernick, Chemists' Valuer, City Chambers, London.

LL-ESTABLISHED Retail Dispensing Chemist Business, situated in pleasant suburb North-West London; present hands; returns about £20 per week cash; cause of disposal ill price £450 valuation or offer. Association of Manufacturing Chemists, Ltd., 31 Kimberley House, Holborn Viaduct.

0.—**DRUG Stores for Sale, S.E.**, main road; good opportunity for qualified man; established 14 years; hands 10 years; fully stocked; illness cause of sale; flat for living accommodation; turnover £1,200; good trade. 121/24, Office of this Paper.

AGENCIES.

or 50 words or less; 6d. for every additional 10 words or less, prepaid.

H. AFRICA.—Gentleman, 25 years in business there, is seeking for Sole Agencies in Drug, Surgical Instruments, Photo and other allied lines; returning to South Africa in October. P.O.B. 5/23, Office of this Paper.

ISH firm manufacturing small article that sells in big quantities in warm climates require Agents having connection with wholesale buyers in China, India, South Africa, Egypt, Spain, Portugal, Argentine, Brazil, Mexico, United States, etc., New Zealand. Apply, stating fully ground covered, held, and give London or Liverpool references, 118/15, this Paper.

ISTS' Agent, Dublin, is open to accept a good Agency Drugs, Chemicals (Wholesale preferred); long experience Drug, Oil, and Colour business; would become a buying necessary; first-class references and security. Thebaia (1), Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ASSISTANT PHARMACISTS IN NAVAL HOSPITALS.

An Examination for candidates for appointment as ASSISTANT PHARMACISTS in Naval Hospitals will be held in London on 28th October, 1920.

The number of appointments offered for competition is three. The age of candidates on entry must be not less than 21, nor more than 28 years.

Candidates must possess either the Major or Minor qualifications of the Pharmaceutical Society of Great Britain or the certificates of competency granted by the Pharmaceutical Society of Ireland.

The regulations for entry and subjects of examination will be supplied on application to the Secretary of the Admiralty (C.E.). Application for admission to the examination should be made to the Secretary of the Admiralty (C.E.) not later than 1st September.

BIRMINGHAM.—Smart, gentlemanly Junior; must be good Dispenser; wages £3; hours 9-7, Saturday 9, Wednesday 1; duty third Wednesday and Sunday; high-class Dispensing business in residential suburb. Richards, 165 Hagley Road.

BIRMINGHAM DISTRICT.—Wanted (shortly), unqualified Assistant, not younger than 22, outdoors, for a Light Retail and Dispensing business; to an energetic, trustworthy man good salary will be paid. Rex Allen, Chemist, West Bromwich.

BIRMINGHAM.—Reeve & Co., New Street; require a thoroughly experienced Junior; good Counterman essential; outdoor. Send photo.

LIVERPOOL.—Qualified Manager for Branch shop; N.H.I., Photographic, and General Retail; also a Junior Assistant; no Sunday duty. Apply, with full particulars and salary required, to 122/10, Office of this Paper.

LONDON, W.—Qualified Assistant, of good experience, for Dispensing Counter. Apply, giving full particulars, stating salary required, to Roberts & Co., 76 New Bond Street, W.

LONDON.—Two smart Juniors for Counter and Dispensing, with knowledge of Photography. Full particulars or personally to Morton's Cash Chemists, Ltd., 295 High Road, Chiswick, W. 4.

LONDON, W.—Qualified Junior (outdoors); active; accustomed to Store trade and Photographics. State age, experience, and salary required, 122/7, Office of this Paper.

NEWCASTLE-UPON-TYNE EDUCATION COMMITTEE.
RUTHERFORD TECHNICAL COLLEGE.

WANTED, to begin duty early in September 1920, Lecturer in Pharmacy. (State salary required.)

Candidates should have passed the Major Examination of the Pharmaceutical Society, had good experience in General Pharmacy and Chemistry, and be able to teach Botany and to assist with Chemistry.

Forms of application (to be returned as soon as possible) on receipt of stamped addressed envelope from

THOS. WALLING,
Director of Education.
Northumberland Road,
Newcastle-upon-Tyne.

ASSISTANT wanted; good Dispenser; reliable; about six weeks from third week in August. Bright, Chemist, Sea View, I.W.

ASSISTANT, unqualified, required at once; must be good Counterman, quick Dispenser, and have good references. Apply, stating age, photo (if possible), and salary expected, to T. Bellamy, Pharmaceutical Chemist, Chelmsford, Essex.

ASSISTANT wanted; must have sound Photographic knowledge, Developing and Printing. State wages, experience, references, etc., to W. Leslie, Chemist, 5 Castle Street, Ludlow.

ASSISTANT wanted; one thoroughly competent, and with some knowledge of Photography and Optics, desirable; easy hours; with application enclose photo (to be returned), state age, height, and general details. Nicholls, Pharmacist, Chelmsford.

ASSISTANT, unqualified, for brisk Mixed business; one used to Lancashire trade and desires a permanency preferred; age about 22. Apply, giving usual particulars as to experience, age, height, and salary expected, to 122/18, Office of this Paper.

CAPABLE Assistant, qualified or unqualified, required in high-class Dispensing Business in N.W. London; must have had recent experience. Apply X. Y. Z. (121/15), Office of this Paper.

CITY Chemist has a vacancy for a well-educated youth as an Apprentice; one who has passed the Preliminary Exam. preferred, but not essential. Apply first, giving full particulars, to "Z." (P.C.B. 5/28), Office of this Paper.

J. WEARING, Pharmacist, Woking, has a vacancy for a dependable Assistant; must be good Dispenser and smart Salesman; please send recent references, salary required, etc.

JUNIOR Assistant, outdoors; energetic and trustworthy; hours 9 to 7.30, Thursday 1, Saturday 8.30; no Sunday duty. State age, height, experience, references, salary required, and when disengaged. Enclose photo (to be returned), L. J. Read, Pharmaceutical Chemist, 17 Lichfield Street, Wolverhampton.

LADY Dispenser (Locum) wanted for three weeks from August 23rd; four afternoons weekly, 2 to 5.30 p.m. Apply Dispenser, Baby Clinic, 12 Telford Road, N. Kensington.

LOCUM, qualified, reliable and experienced, from September 6th to 13th inclusive. Apply, giving two recent references, and terms, to Arthur Lee, 5 Marton Road, Middlesbrough.

LOCUM, experienced and qualified, for last two weeks in August; lady or gentleman. State salary required (indoors), W. Ralph, 19 Burnt Ash Hill, Lee, S.E.

MANAGER; qualified; young and energetic; London suburb; brisk Counter work; four Assistants; interest in net profits offered to really pushing and businesslike man. Experience in full, age, and salary required, to 118/8, Office of this Paper.

M R. W. M. ROSSER (Baily & Co.), Margate, desires to thank applicants for vacancy (now filled) advertised in last week's issue; pressure of business prevents personal reply to each one.

QUALIFIED Junior, with good experience. Apply W. Shadforth, Ph.C., 63 Grove Road, Bow, E. 3.

QUALIFIED Dispenser wanted, August 30; Hospital experience necessary; every afternoon from 2, Saturdays 10-11. Apply, stating salary, to "G." c/o F. Aldridge, Advertisement Agent, 26 Paternoster Row, London, E.C. 4.

THOROUGHLY competent Senior Assistant; also Junior. Usual particulars to Bell & Riddle, Analytical and Manufacturing Chemists, Hexham.

UNQUALIFIED Assistant wanted (immediately); age about 30; knowledge of Photography essential; must be a good Window-dresser. Apply, giving full particulars and salary required, Colmans, 19 Brunswick Street, Cheetham, Manchester.

WANTED (immediately), for a few months, unqualified Assistant (male), 18 to 20; good knowledge of Photographic lines; outdoors; no Sunday duty; 46-hour week; salary offered £3 10s. Slater & Son, Market Place, Loftus, S.O. Yorks.

WANTED (immediately), keen business man as Chemist's Clerical Assistant; must be good writer and quick at figures. Apply, with references, etc., to 118/12, Office of this Paper.

WHOLESALE.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

AVANCY occurs in the office of a leading firm of Wholesale Manufacturing Chemists for an enterprising youth. The position is one which will suit an ambitious young man who has just finished his apprenticeship in the Retail, and who wishes to get into the Wholesale. Applicants, who must be energetic and not afraid of work, should apply, giving full particulars, salary required, etc., to 14/20H, Office of this Paper.

CHEMICAL TRADE.—Required (at once) in London office, capable young lady Typist; one thoroughly accustomed to chemical trade terms and business. Write, stating salary required and full particulars, Box F47, Lee & Nightingale, Advert. Offices, Liverpool.

EXPERIENCED man required for Wholesale house, Lancashire, for ordinary Pharmaceutical Analyses and the production of high-class Toilet Preparations. Apply, in confidence, stating salary desired, experience, age, etc., to 43/13W, Office of this Paper.

EXPORT PACKERS.—Two required at once; previous experience essential, and with a knowledge of Bonding. Apply by letter only to "F. J. G." c/o C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C. 2.

INVOICE Clerk (Junior) required for London Wholesale Druggist; neat writer and quick at figures. Apply by letter, giving full particulars and salary required, to "J. C." (14/21H), Office of this Paper.

HOME DRUG TRADE (WHOLESALE).—Clerk, with initiative wanted for a Manufacturing Chemists; one who will have an interest in the correct and rapid execution of orders; position could be developed. Write, stating age and salary required, 35/27S, Office of this Paper.

MANUFACTURERS, with exclusive proposition for line quick demand, require London (whole-time) and co (part-time) Representatives; salary and commission London expenses and commission County; exceptional opportunity for representatives capable building and maintaining high Chemists' business. 122/1, Office of this Paper.

MANUFACTURING Chemists require Traveller for Lancashire district; must have good connection; good salary offered the right man. 121/26, Office of this Paper.

PORTER and Packer required at once by Roberts & Sons, 76 New Bond Street, W. Apply between 10 and any morning.

WANTED, by well-known Lancashire Wholesale Drug Representative to take over an old-established concern covering parts of Lancashire, Yorkshire, and North Wales. Previous experience essential; one who has been brought into the Wholesale; good salary and permanency to the right. Please give full particulars in first letter to "Opium" (2) Office of this Paper.

WANTED, a capable Junior Invoice Clerk, used to extend and quick at figures. Apply, stating age, experience and salary required, to Lofthouse & Saltmer, Ltd., Wholesale Drug Hull.

YOUNG man wanted, with good experience, for putting Surgeon's orders; state full particulars and salary required, Rimmington, Chemists, Bridge Street, Bradford.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

INDIA.—Foreign Traveller required, principally for Indian manufacturers of high-class Soaps, Perfumes, and Preparations; knowledge of trade essential; applicants travelling experience in the East preferred. Address, full particulars of past career and salary required, confidentially, 4/46B, Office of this Paper.

RHODESIA.—Qualified Chemist, with knowledge of wanted, for healthy town; young, single, and one furnished quarters and salary of £20 monthly, with year's increase; three years' agreement; second-class passage or home paid. Applications, with full details, to Keppel Bros. Ltd., Great Charles Street, Birmingham.

SOUTH AFRICA.—Young, qualified Assistants open to situations in South Africa, should apply to Lennon, Ltd., 12-14 Lafone Street, Tower Bridge, London, S.E. 1. South Africa is prosperous and advancing steadily; the climate is particularly fine and healthy; cost of living moderate.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A. A.—**P**HARMACIST (30), recently disposed of own business, open for engagement; first-class organiser, and Window-dresser; position desired as Manager, where is recognised; at liberty August 9th. "Chemist," 11 Crescent, Earl's Court, S.W.5.

GENTLEMAN, with 30 years' experience of the medical profession, seeks post as Dispenser-Bookkeeper or Secretary; excellent references; permanency. Reply "Zeal" (164/10), Office of this Paper.

QUALIFIED Chemist, 40, disengaged; Manager or Locum; thoroughly competent; town, country, seaside experience; date Photography; entire satisfaction guaranteed. Apply 23, Office of this Paper.

QUALIFIED (25) requires permanency; London experience; energetic, smart Salesman, good Dispenser. "G. E. C.", Emberton Road, Stockwell, S.W.9.

QUALIFIED, experienced Chemist desires appointment as Manager; London or provinces. "Reliance" (121/17), Office of this Paper.

QUALIFIED Pharmacist disengaged; permanent management; urgent; 45; married; 26 years' experience. Jones, Estcliffe Road, Birkdale, Southport.

QUALIFIED Chemist desires permanency; experienced in first-class Dispensing and Retail Pharmacies; Lancashire born, but not essential; ex-service; well recommended. 23 Riding Street, Southport.

SENIOR Assistant or Manager, unqualified; Dispensing, Photography, and Optics, requires berth; good references; permanency; married. F. S. Gorell, 57 Western Road, Brighton.

PRENTICE.—Youth, 16, wishes to be apprenticed to first-class Chemist in London. Apply "J. K." (P.C.B. 5/27), Office of this Paper.

Locum or permanency; all-round town experience; excellent references; abstainer. "Felix," c/o Wellburn, Pharmacist, East Molesey.

Manager or Locum; life experience in Agricultural business; Prescriber, Photography, Extractor; 53. Chemist, Mrs. Sunnyside, Wroxham.

qualified Manager or Locum; disengaged; good all-round experience; town or country. J. Fraser, 139. High Road, Finchley, N.2.

SISTANT, 25, unqualified, desires post until end of December; Dispensing and Counter; Dublin experience; abstainer. 43 Burrowgate, Penrith, Cumberland.

SISTANT, 28, qualified, desires permanency or Locum August 16th; married; abstainer; reliable. Reynolds, Heath Leighton Buzzard, Beds.

SISTANT, 23, referred in one subject, desires post; knowledge of Photography; energetic; excellent reference; please salary offered. "Student," 32 Alnwick Road, South Shields.

SISTANT; 27; unqualified; energetic; good references. Apply White, 93 Devonshire Road, Redland, Bristol.

SISTANT, referred in Pharmacy, requires good Dispensing experience; would accept nominal salary. Thomas, 41 Queens-Road, Forest Hill.

SISTANT, unqualified, 40, tall, married, desires permanency; reliable Dispenser; smart Counterwoman; disengaged. Hannath, St. Helens Road, East Grinstead.

SISTANT (referred one subject London Exam.) requires Locum or permanency; open August 15th; 7 years' practical experience; state terms and particulars. "Locum," c/o Wade, St. Brudenell Road, Leeds.

SISTANT; unqualified; 35; abstainer; town and country experience. "Statim," c/o Nurse Davis, 4 Ormond Villas, Cheltenham.

SISTANT (26), unqualified, disengaged, desires position in high-class Dispensing and Retail business; energetic; knowledge of French, Italian, and Spanish; best West-End experience, etc., to 121/19, Office of this Paper.

SISTANT, unregistered, seeks permanency; town or country; 2 years' experience; highest references; disengaged. Black, Dringham Road, Cricklewood.

ASSISTANT; 26; 12 years' first-class Dispensing experience. Please state full particulars, salary, hours, etc., to "Provincial" (121/6), Office of this Paper.

ASSISTANT; 22; passed Part I.; good all-round experience; excellent references; Lancashire preferred. T. B. S., 5 Wentworth Street, Bolton.

ASSISTANT, age 20; 5 years' good all-round experience Dispensing, also N.H.I., Manufacturing, Window-dressing, and good Salesman; permanency, Locum, or part. Terms, P., 20 North Villas, Camden Square, N.W.1.

ASSISTANT or Manager; (33); unqualified; abstainer; reliable; Dispensing, Prescriber, Photography; Midlands or North preferred; disengaged August 22nd. Apply 122/24, Office of this Paper.

ASSISTANT, qualified; Welsh; young; excellent references; any locality. 121/16, Office of this Paper.

ASSISTANT (25); unqualified; six years' experience high-class Dispensing and Counter; Midlands preferred. "Statim," 5 Wellington Street, Redditch, Worcester.

ASSISTANT (26), requires situation, in or around Burnley or district. 120/27, Office of this Paper.

CHEMIST, 50, as Locum for 12 days from 23rd; all-round experience and excellent references; W. or N.W. Counties preferred. Apply 120/32, Office of this Paper.

ISENGAGED September, Assistant, 25, unqualified, single, smart appearance, good Dispensing, Counter, stock experience, desires post until 1921; excellent references; London; live in if required; kindly state salary, etc. Apply 118/7, Office of this Paper.

ISENGAGED; qualified; Manager, permanent or Locum; West End preferred; 25 years' London experience. "Chemist," 108b Elgin Avenue, W.9.

ISENGAGED August 15th.—Reliable, competent; Locum or permanent; all-round experience; comfortable berth wanted; satisfaction guaranteed. "Worker" (121/32), Office of this Paper.

ISPENSER (unqualified), age 23 desires post with Doctor or Chemist during the months of August and September; good experience. "Minor Student," 2 Higham Place, Newcastle-on-Tyne.

ISPENSER, 7 years' experience, for mornings and either afternoons or evenings; 45s. "Unqualified," 90 Uppgate, Louth, Lincs.

ISPENSER (lady), unqualified, requires post with Doctor or Chemist; good experience; thoroughly reliable and competent; knowledge of Photography. Apply 121/21, Office of this Paper.

EXPERIENCED, all-round Assistant, unqualified, tall, 37, as Manager or Senior; disengaged. 121/11, Office of this Paper.

EXPERIENCED Pharmacist requires responsible position, Senior or branch; capable and reliable; shortly disengaged; North Country preferred. "Energetic" (121/34), Office of this Paper.

IMPROVER (18), just completed 4 years' apprenticeship in a high-class Pharmacy, seeks situation; South of England preferred; excellent all-round experience, including Photography; references. Ward, 25 Church Street, Staines.

JUNIOR Assistant (21) requires post until end September as Locum; good references and experience. G. Griffith, Pyracanth, Ruthin.

JUNIOR, 20, desires opportunity; hard worker; can adapt himself to circumstances; good references. Harper, Norcliffe Farm, Styall, Manchester.

JUNIOR Assistant, 19, desires permanency; good Counterwoman, Window-dresser, and accurate Dispenser; good knowledge of Photography; excellent references. Apply 122/28, Office of this Paper.

LADY Dispenser (Hall), Bookkeeper, three years' Dispensing experience with Chemist, desires post; Doctor or Institution; London or suburbs. Apply 120/23, Office of this Paper.

LADY Assistant (Minor Student) requires situation for the month of September; capable Dispenser and Counter work all branches; Photo, Toilet, Prescribing, Agricultural, Horticultural, etc.; quite competent to be left in charge. Apply Miss Hoff, c/o Ellwood & Son, Chemists, Leominster.

LADY Dispenser (Hall) requires Locum or permanent post; Hospital experience; excellent testimonials; disengaged. Leeder, Draycot Road, Wanstead, E. 11.

LADY Student (Hall) would give services to Doctor, Hospital, Chemist, for small salary or free in return for experience in practical Dispensing. Apply 121/3, Office of this Paper.

LADY (Hall), 3 years' experience with good Dispensing Chemist, requires post; Chemist or Doctor. Apply 121/12, Office of this Paper.

LADY Dispenser desires re-engagement with Doctor or Chemist. Apply 121/27, Office of this Paper.

LOCUM (qualified) has vacant dates, month of August and September 16-30. H. R. Hudson, Westgate, North Cave, E. Yorks.

LOCUM; qualified; 23; any period until September 5th; South preferred; particulars, please. "H," 2 The Pavement, Haslemere.

LOCUM, qualified (26); London and country experience. "Adrian," 52 Hemberton Road, Stockwell, S.W. 9.

LOCUM, Manager, or Senior; qualified; 46; tall; good all-round experience and address. Longman, 70 Kennington Oval.

LOCUM, disengaged after August 16th, 1920; elderly; very active and good Salesman. Apply 166/27, Office of this Paper.

LOCUM, young, unqualified, requires temporary position for August; Dispensing and Photographic experience. Slater, Church Walk, Eastwood, Notts.

LOCUM; wide experience all branches; competent, reliable; qualified Dispenser; good testimonials (permanent and locum); shortly free. "Locum," 82 Dahomey Road, Streatham.

LOCUM, Major qualification, thorough experience, well recommended, vacant August 19th and mid-September. Dear, 111 Royal Parade, Eastbourne.

LOCUM, 46, tall, disengaged. Howes, 15th Hethorpe Road, Doncaster.

LOCUM, elderly, qualified, Manager, offers holiday duty, August 23 to 31; West or South preferred, but not essential. Apply 122/19, Office of this Paper.

MANAGER, 36, qualified, abstainer, disengaged September 1st; London and provincial experience; reliable. "Lupulus," c/o Thompson, 24 Buckleigh Road, Streatham, S.W.

MANAGER or Locum (35), experienced Pharmacist, used to control staff, buying, etc., reliable and well recommended, disengaged. Parker, 5 Westmoreland Terrace, Botanic Road, Liverpool.

MANAGER or Assistant; 36; single; unqualified; 18 years' experience Dispensing, Counter, and Photographic; disengaged. Roberts, 19 Kennet Road, London, W.9.

M.P.S.—YOUNG, energetic worker requires a position where there is plenty of scope for his energies and progressive remuneration; excellent experience and references; salary to commence £350 per annum. Mackay, Batley Carr, Yorkshire.

PART-TIME, good-class Pharmacy, by Minor Student; London; good Counter and Dispensing experience. Apply, stating terms, P.C.B. 5/9, Office of this Paper.

PART-TIME Assistant; Dispensing and Counter experience; London or suburbs preferred. "Locum," 38 Spittal Square, Marlow.

PART-TIME (evenings) and other duties occasionally if necessary by qualified (31); best London experience; knowledge of Photography. Apply P.C.B. 5/26, Office of this Paper.

PHARMACIST (31) seeks position as Branch Manager; London district preferred; fifteen years' experience. "R.A.M." 30 Rosslyn Road, Walthamstow.

POST as Assistant required, with good Dispensing experience; passed Part I.; London or near preferred, not essential. "Ex-Officer," 10 Looms Lane, Bury St. Edmunds.

QUALIFIED (lady) desires post, Hospital or Institution, September; Bristol or district. Apply 119/38, Office of Paper.

QUALIFIED; age 32; 18 years' experience Photography Optics; permanency as Manager or Senior. "W. R. (P.C.B. 5/24), Office of this Paper.

QUALIFIED; 23; West-End Dispensing and Counter experience; knowledge of French and Photography; S.W. or W. district preferred; permanency or Locum. "Assistant," 4 Florian R Putney, S.W.

QUALIFIED, disengaged, four years' first-class West-End experience, desires responsible position in high-class Pharmacy; London preferred. McFall, 4 Hambolt Road, Clapham Common, London, S.W.

QUALIFIED, M.P.S., 25, holiday relief, fortnight in August also evenings after 6. "Chemist," 52 Braintree St London, E. 2.

QUALIFIED, 24, tall, desires post, temporary or permanent Manager or Assistant; good experience; free September 1st North or Midlands preferred. Lister, Alexander Street, C. mount, Halifax.

QUALIFIED; single; 32; 5 ft. 7 in.; disengaged August Midlands or North preferred; good experience. "C.," Burnley Road, Stockwell, S.W. 9.

QUALIFIED (23), tall, excellent reference, good Counter Dispensing experience, seeks situation in high-class business; Midlands preferred (not essential). Particulars, please, to H. Wick, "Wyvernho," Evington Valley Road, Leicester.

QUALIFIED, 28, requires berth immediately; permanent Locum. Pickering. Brick Kilns, Mount Road, Oswestry, Salop.

QUALIFIED Assistant (22), disengaged, desires post; class Dispensing, Counter, Photographic experience. Hooper, 58 Arthur Road, Southampton.

QUALIFIED; 26; single; abstainer; good experience and references; disengaged. Williams, 14 Railway Cottages, Station, Chesterfield.

QUALIFIED, aged 51, disengaged until August 16th; references, 36 years; 25 years manager Midlands, Coast, and London. "Experientia," 28 Melrose Avenue, Cricklewood.

QUALIFIED (27); single; 5 ft. 9 in.; good experience and references. C. Jay, Station Road, Sudbury, Suffolk.

QUALIFIED (36) requires post as Manager; 16 years' London and country experience in Dispensing, Photography, Counter, and Windows; disengaged. Apply 121/50, Office of this Paper.

STUDENT; 10 years' London experience Dispensing, Counter, and Photography. Jamieson, 39 Pepys Road, S.E. 14.

UNQUALIFIED Assistant, 21, requires employment in good-class Pharmacy; 5 years' experience; good references; height 5 ft. 9 in.; Dispensing preferred; any district; abstainer; knowledge of Photography. Replies, Glossop, "Rose 1," Ambergate.

UNQUALIFIED Manager or Senior; 32; married; 17 years' experience Counter, Dispensing, Windows, etc.; London permanent; East or Midlands preferred. "Progress," c/o Watson, Clay Lake, Spalding.

UNQUALIFIED, referred in one subject until end of September; good experience; London preferred. "F. J. W.," Heslington Road, York.

UNQUALIFIED Assistant, age 30, tall, single, wants situation; 10 years' good-class experience; Cumberland or Lancashire preferred. Apply 121/23, Office of this Paper.

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